INDEX TO VOL. XLV

rev. Denotes Reviews; n. Short Notices and Comment on Maps; *Bibliographical Entry.

Abbot, C. G. and Fowle, F. E., 473*, 766

Abeshr: beshr: ¶Abéché, capitale du Oua-daï. I. Ferrandi, 389*

Abor Expedition: ¶Geographical Results, 1911-12. A. Bentinck, 447, 631* ¶Map to illustrate above

paper. A. Bentinck, n., 396 Abruzzi, The Call of the—and Other Appennines. W. C. Slingsby, 633* Abruzzi, Duke of the: ¶ Account of

Expedition of -. Karakoram and Western Himalaya, 1909. F. de

Filippi, rev., 460

ABYSSINIA: ¶Ai confini meridionali dell'Etiopia. C. Citerni, rev., 296; Etiopia, Linee telegrafiche e telefoniche in Etiopia. S. Bertolani, 389*; Etiopia: Osservazioni botaniche, agrarie, ed industriali fatte nell'Abissinia settentrionale, 1909. E. Chiovenda, 389*; L'islamisme chez les Gallas. G. Perrot, 787*; Journey in S.-W. Abyssinia. G. Montandon, 70*; Landwirtschaft in Abessinien. 1. Teil: Acker und Pflanzenbau. Kostlan, 552*; Die Portugiesen in

Beitrag zur Entdeckungsgeschichte von Afrika. K. Krause, 389*, n., 624; Report for 1911-12 on the Trade, 946*; Uno sguardo all'Etiopia settentrionale e alle regioni limitrofe nei rispetti linguistici. C. Rossini, 389* ¶ Maps of Abyssinia: Abyssinia (Provisional Issue), n., 317; Itinéraires en Ethiopie par H. Latham, 1907, n., 395; Routes in South-Western — from Plane-table and Prismatic Compass Traverses by G. Montandon, n., 77

Académie des Sciences, Aw geographers by the —, 206 Awards to

Achin: See Atjeh.

Adam, A., Bolle, A., and Others, 297 Adamaua: ¶Der Benue-Weg und die französiche Etappenstrasse durch Deutsch-Adamaua. M. Moisel, 710*; Deutsch -. Eine botanische Wanderung nach -. C. Ledermann, 150* Adamello: | Beitrag zur Anthropogeographie der Alpen. Die ständigen Siedlungen an der Adamellogruppe und die Bodenformen.

Lehmann, 233*
Adametz, E., 74*
Adams, Charles C., Personal, 527, 528
Adams, G. I., 231*
Adams, J. 207

Adams, J., 307 Adelaide: ¶62nd Ann. Rept. of -Chamber of Commerce, 1912, 72*; 63rd Ann. Rept. for 1913, 872*

Adickes, E., 306

Adirondacks, Summer Forest Camp

in —, August, 1913, 784*
Adlung, —, 629*
Adrar: ¶Région au nord et au nordouest de l'Adrar mauritanien. G. Schmitt, 947* Adrianople, Siege of - (Map), n.,

638

ADRIATIC COASTS: ¶Rapporto annuale dello I. R. Osservatorio marittimo . . . osservazioni meteor-ologiche di Trieste e di alcune altre Stazioni Adriatiche 1908. E. Mazelle, n., 705; Die strategischen Punkte der adriatischen Ostküste. N. Krebs, 471*

ADRIATIC SEA: ¶Bericht über hydrographischen Ergebnisse der österreichisch-italienischen Erforschung der Hochsee der Adria 1911-12. E. Brückner, 314*; Die dritte Terminfahrt S. M. S. Najade in der Hochsee der Adria vom 16. Aug. bis 5. Sept., 1911. E. Brück-ner, 153*; Die vierte — vom 16. Nov. bis 8. Dez., 1911. A. Grund, 72*; Die sechste — vom 17. Mai bis 13. Juni 1912. A. Grund, 391*; Die siebente - vom 16. August bis 11. Sep. 1912: Vorläufiger Bericht über die Fahrt und die hydrographischen Ergebnisse, usw. A. Grund, 632*; Lecture "Across the Adriatic." A. B. Osborne, 197*

Ægean Islands: der Türkei, 948* gäische Inseln

Ægean Sea: ¶L'Egeo. F. Musoni, n., 144

AERONAUTICS: ¶Aircraft: A
Problem for the Future, 474*;
Astronomische Ortsbestimmungen
mit besonderer Berücksichtigung
der Luftschiffahrt. W. Leick, n.,
782; La carte aéronautique militaire du Service Géographique de
1'Armée. P. Pollacchi, 873*; Die
Herstellung von Luftschifferkarten,
234*; Intern. Air Map and Aeronautical Marks. C. Lallemand,
234*; Langley Memoir on Mechanical Flight. S. P. Langley and
C. M. Manly, 155*; Zur Luftschiffahrtkarte des Deutschen Luftschifferverbandes. H. Kiessling,
554*

AEROPLANES: ¶L'utilisation des aéroplanes aux colonies. Lieut.

Lalanne, 394*

AFRICA. CONTINENT AND PARTS OF IT: ¶Adventures of an Elephant Hunter. J. Sutherland, n., 225; African Cotton Production, 48; Afrikafahrt West. Ein Reisebuch und ein Einführ-ungsbuch. H. Grimm, n., 780; Afrikanische Ost-West-Überlandhahn. R. Henning, 70*; Africa, A. J. and F. D. Herbertson, rev., 694; African Rubber Industry and Funtumia elastica ("Kickxia"). C. Christy, rev., 533; Chemins de fer transafricains. A. Berthelot, 70*; Erschliessung Afrikas durch Eisenbahnen. Baltzer, 469*; Från min Afrikaresa. Th. Nordström, n., 864; Les grands mouvements de peuples en Afrique. Jaga et Zimba. Origines des nations Fundji, Shilluk, etc. R. Avelot, 710*; Hamitische Typen. F. v. Luschan, rev., 771; Pénétration française en Afrique. Truffert, 869*; Vigtigste af danske foretagne Rejser og Forsk-ninger i Afrika. E. Madsen, 869*; Klima des afrikanischen Kontinents, reviewed by J. v. Hann, 70*; Languages of Africa. A. Werner, 389*; Systematic Study of African Languages. W. A. Crabtree, 388*; The Last Frontier. White Man's War for Civilization in Africa. E. A. Powell, rev., 213; Propagation de la langue française en Afrique. P. Bonnard, 787*; Die Sprachen der Hamiten. C. Mein-Sprachen der Hamiten. Chof, rev., 771.
CENTRAL AFRICA:

CENTRAL AFRICA: ¶Au Cœur de l'Afrique Équatoriale. M. Martin, n., 780; La géographie de l'Afrique Centrale dans l'antiquité et au Moyen Age. T. Simar, 710*; Lebensformen und Lebensweise der Tierwelt im tropischen Afrika. L. Waibel, 869*; Livingstone and the Exploration of Central Africa. Sir H. H. Johnston, n., 384; Durch Sand, Sumpf und Wald. Missionsreisen in Zentral-Afrika. F. X. Geyer, rev., 694; Les Sociétés primitives de l'Afrique équatoriale. Ad. Cureau, rev., 297; In South Central Africa. J. M. Moubray, rev., 142; Thinking Black. Twenty-two Years without a Break in the Long Grass of Central Africa. D. Crawford, rev., 774; Wiss. Ergebnisse der Deutschen Zentral-Afrika. Expedition 1907-1908 unter Führung Adolf Friedrichs, Herzogs zu Mecklenburg. Vol. 3. Zoologie 1., 66* ¶Maps of Central Africa: Equatorial and South Africa: (1). Before Livingstone's Journeys, from London Atlas of Modern Geography, etc. (2). By discovery or report after Livingstone's last

researches were published, n., 876
EAST AFRICA: ¶ Elenco dei
fari, fanali, segnali marittimi, etc.
esistenti sulle coste . . . costa est
d'Africa da Guardafui a Zanzibar,
873*; Ferrovie dell'Africa Orientale. A. C. Cavicchioni, 551*; In
the Heart of Savagedom. Mrs. S.
Watt, rev., 936. ¶ Map of East
Africa: Carte des chemins de fer
du Soudan £gyptien et de l'Af-

rique orientale., n., 317

NORTH AFRICA: ¶Le commerce de l'Afrique Romaine. A. Lecocq, 628*; Lecture on French, Arab and Roman towns of — G. B. Dexter, 133*; Géographie élémentaire de l'Afrique du Nord. A. Gleyze, n., 941; Irrigation by Sun-Power in —, 763; In den Kustlanden van Noord-Afrika. H. H. van Kol, n., 308; The Kabyles of North Africa. A. Lissauer, 312*; La question indigène dans l'Afrique du Nord. J. A. Ordioni, n., 66; A. Travers le Monde Musulman ancien et moderne de Tanger à Tlemcen par les cités Maures d'Andalousie. P. Clerget, 633*; 'Twixt Sand and Sea. Sketches and Studies in North Africa. C. F. and L. Grant, rev., 142

and L. Grant, rev., 142 SOUTH AFRICA: ¶Agriculture and Land Settlement in South Africa. W. MacDonald, 869*; Gemeinschaftliche Dampferwege zwischen Südafrika und Australien, 634*; Katanga en Zuid-Afrika. A. Africa-Cont'd.

Lodewyckx, 308*; Südafrikanische Diamantschleifereien. G. Nicolaus, 628*; Die weisse Bevölkerung Südafrikas. M. R. Gerstenhauer, 469* Maps of South Africa: Equatorial and South Africa. 2 Maps. Accompany "Livingstone as an Explorer." H. H. Johnston, n.,

WEST AFRICA: ¶Leo Fro-enius' Forschungen zur Kulturbenius' geographie des nördlichen Westund Innerafrika. M. Friederichsen, 868*; Les pêches de la côte occi-dentale d'Afrique. P. Clerget, 787*; The Periplus of Hanno. A Voyage of Discovery down the West African Coast by a Carthaginian Admiral of Fifth Century, B. C. Transl. by W. H. Schoff, rev., 296; Politique indigène de l'Angleterre en Afrique Occidentale. E. Baillaud, rev., 772; Premier Voyage du Sieur de la Courbe fait à la Coste d'Afrique en 1685. P. Cultru, rev., 775; "Verb. Sap." on Going to West Africa, Northern Nigeria, etc. A. Field, rev., 774 ¶Maps of West Africa: The 'African World'' Map of West

Africa. A. Gross, n., 77

BRITISH COLONIES IN
AFRICA: ¶Développement des possessions anglaises de l'Ouest Africain. J. Goulven, 388*; Les possessions britanniques de l'Afrique australe et orientale. J. Goul-

ven, 628*

BRITISH EAST AFRICA: Colony in the Making: or Sport and Profit in British East Africa. Lord Cranworth, rev., 211; Early Man in — C. W. Hobley, 149*; Journey down the Tana River. W. M. Ross, 628*; Snakes of British East Africa. C. W. Hobley, 149*; Aux sources du Nil par le chemin de fer de l'Ouganda. J. Leclercq, rev., 212; Thowa River. A. M. Champion, 149*; From Victoria Nyanza to the Kisii Highlands. F. Oswald, 389*; District between Victoria Nyanza and Kisii Highlands. F. Oswald, n., 396 Maps of British East Africa: Kismayu to the Lorian Swamp from route surveys by I. N. Dracopoli, n., 797; Provisional Map of East Africa Protectorate, n., 238; Sketch Map of Journey from Kismayu to Meru via Wajheir and Lorian. C. W. Haywood, n., 797

BRITISH SOUTH AFRICA: See Union of South Africa, last entry under Africa.

FRENCH COLONIES AFRICA: ¶Colonies de l'Afrique orientale. Statistiques du commerce, 1911, 389*; The French Transafrican Railroad, 446; La question indi-gène dans l'Afrique du Nord.

J. A. Ordioni, n., 624 FRENCH EQUATORIAL AFRICA: ¶L'Afrique Équatoriale Française. M. Rondet-Saint. rev., 211; Chemin de fer de l'océan à Brazzaville. J. Mornet, 150*; La Compagnie Forestière Sangha-Oubangui. Ses Méthodes, ses résultats, etc., n., 225; —. Travaux d'aménagement forestier, 225*; Il Congo Francese. O. Paladini, 312*; Le Congo méconnu. J. Dybowski, rev., 936; Délimitation franco-allemande, 230*; Dans le Haut-Ogowe. R. P. Corre, 788*; La main-d'œuvre au Moyen Congo. J. Leprince, 312*; New Franco-Ger-Leprince, 312-; New Franco-German Boundary, 49; New-Süd-kamerun und das französische Nachbargebiet. M. Moisel, 869*; Notice sur la subdivison de Zigueï. A. M. Peignot, 788*; L'organisation militaire de l'Afrique Équation de l'Afrique Equation toriale Française, 312* ¶ Maps of French Equatorial Africa: Carte du Bassin du Haut M'Bomou, n., 717; Carte du Kouango, n., 478; Carte de la région française du Stanley Pool. R. P. Le Gallois, n., 157; Essai de carte des isogones du 1er Janvier 1908 en Afrique Équat-Franç., 317*; Projet d'un chemin de fer de Brazzaville à l'Océan, n., 317; Région entre les rivières Mbomou et Mbokou modifiée d'après les levés de A. Piquet, n., 157 FRENCH WEST AFRICA: ¶L'Afrique Occidentale Française. L. Sonolet, rev., 210; Annuaire du Gouvernement général, etc., 788*; Colonies de l'Afrique occidentale et équatoriale. Stat. du commerce, 1910, 149*; Le coton en Afrique, 788*; Französisch-Westafrika zu Beginn des Jahres 1912, 629*; Gouvernement général, etc., 788*; Notices publiées par le gouverne-ment général de l'Afrique Occidentale Française à l'occasion de l'ex-

position coloniale de Marseille, 947*; Positions géographiques de quelques points de l'Afrique occi-dentale française, 788*; Origin of Storms in Mountainous Regions of Africa-Cont'd.

French West Africa. Schwartz, 690; Production de la laine et l'introduction du mérinos. G. de Gironcourt, 629*; Rétablissement des communications économiques entre le Sud-Tunisien et le bassin du Tchad. Bourdarie, 869*; Situation générale. W. Ponty, 230*; Statistiques générales, 230* ¶ Maps of French West Africa: Bassin du Sourou. H. Hubert, n., 157; Carte botanique, forestière et pastorale de l'Afrique Occidentale Française, n., 318; Esquisse de la partie septentrionale du cours du Niger et de la Volta Noire. H. Hubert, n., 157

GERMAN COLONIES IN AFRICA: ¶ Forests and Forestry in German Colonies. B. E. Fernow, 312*

GERMAN EAST AFRICA: ¶Die Batwa-Zwerge in Ruanda, 312*; Baumwollgrosskultur in der Werner-Bleines, 870*; Wembäre. Zur Besiedlung Deutsch-Ostafrikas. F. Kolbe, 710*; Le chemin de fer du Tanganika et les chemins de fer coloniaux allemands, 230*; Cultivation of Sisal Hemp in German East Africa, 49; Dinosaurs of East Africa, 193; Dinosaurs of East Africa. C. Schuchert, 312*; Eisenbahnfrage in Deutsch-Ostafrika und Kamerun. F. Kolbe, 230*; Die Entwicklung und der Stand der geographischen Forschung über Uhehe in Deutsch-Ostafrika. E. Battré, n., 547; Ergebnisse einer Reise durch das Zwischenseengebiet —'s, 1911. H. Meyer, 469*; Zur Frage der Besiedlung —'s. 1. Urteil über die Besiedlung . . . Abhänge des Kilimandjaro- und des Meruberges, 469*; Die Frage der Besiedlungsfähigkeit —'s, 629*; Geographische Forschungen im abflusslosen Gebiet von -. F. Jaeger, 312*; Die Lage der Baumwollkultur am Rufiyi. D. H. v. Geldern, 629*; Zur Manihot-Kultur in-. E. Marckwald, 629*; Meteorol.-Beobacht-ungen in —. Teil 7: Zusammenstellung der Monats- und Jahresmittel aus dem Jahre 1910 an 49 Beobachtungsstationen. P. Heidke, 150*; Meteorol. Beobachtungen in -. P. Heidke, 629*; Morphologische Ergebnisse der Deutschen Tendaguru-Expedition, 1911. H. v. Staff, 389*; Die nordwestlichen Gebiete —'s. Schnee, 947*; Ostafrikanische Nordbahn. F. Kolbe, 629*; Ostafrikanische Nordbahn (Deutsch-Kol-Eisenbahn-Bau- und Betr.ebs-Gesell.), 629*; Der östlicht Abschnitt der grossen Ostafrikanischen Störungszone. Vorläufiger Bericht 4. Schluss Bericht. E. Obst, 869*; Reichtum an nutzbaren Edelhölzern in Deutsch-Ostafrika und deren wirtschaftliche Ver-wendbarkeit. K. Perrot, 710*; Über Rinderrassen, Rinderzucht und ihre wirtschaftliche Bedeutung in —. G. Lichtenheld, 947*; Vom Schulleben in —. W. Föllmer, 629*; Sisalkultur in —. W. F. Bruck, 230*; Eine Studienfahrt nach Deutsch-Ost-Afrika. C. G. Richter, n., 624; Ufipa: Land und Ergebnisse einer in den Leute. Jahren 1908 und 1909 ausgeführten Forschungsreise, 150*; Urundi-Ruandabahn. M. Moisel, 869*; Der vulkanische Ausbruch im Norden des Kiwu-Sees vom 4. Dez. 1912 bis 2. Jan. 1913. Schumacher, 869* ¶ Maps of German East Africa: Karte von Ufipa zur Darstellung der Routenaufnahmen des Hauptm. a. D. Fromm (1908-9). Auf Grundlage des von P. Sprigade u. M. Moisel...Kolonialatlases. C. Jurisch, n., 558; Der nördliche Teil von Urundi. J. M. M. van der Burgt and C. Schmidt, n., 238; Reisewege am unteren Rufiji. J. v. Pfeil, 396*; Survey of Anglo-German-Belgian Boundary by the British Commission under Command of E. M. Jack, n., 877; Umgegend der Missionsstation Rugari in Urundi mit dem ausgelaufenen Rufunso Schisanje. J. M. M. van der Burgt, n., 798

GERMAN SOUTHWEST AFRICA: ¶Beiträge zur Kenntnis einiger Eingeborenen-Nahrungsmittel. Adlung, 629*; Die Besiedelung von Südwestafrika. K. Dove, 230*; — und seine Entwicklungsmöglichkeiten, 629*; Die Eingeborenen Südwestafrikas. Dove, 787*; Erläuterung zur Karte des Kaokofeldes. J. Kuntz, 629*; Die geographischen Resultate der Kaokofeld-Expedition 1910-12. J. Kuntz, 870*; Zur Karte des Deutschportugiesischen Grenzgebiets in Südwestafrika, 149*; Lehrreiche Erfahrungen eines Farmers in —. W. Mittelstaedt, 788*; Moderne Straussenzucht in —. H. Berthold, 788*; Otavibahn in —. H. M.

Africa-Cont'd.

Hirsch, 870*; Eine Reise längs der Küste Lüderitzbucht-Swakopmund im Febr. März 1912. E. Reuning, 629*; Jahresbericht über das meteorol. Beobachtungswesen die Zeit vom 1. Juli 1910 bis 30. Juni 1911, 150*; Das Küstenland Deutsch-Südwestafrikas. K. Dove, 230*; Südwestafrika als Ansiedlungssudwestarrika als Ansiedlungs-gebiet für deutsche Auswanderer. W. Mittelstaedt, 947*; Viehzucht in —, 630*; Viehzucht in —. W. Mittelstaedt, 947*; Welche Aus-sichten bieten sich dem Ansiedler in Deutsch-Südwestafrika?, 630*; Wiss. Forschungen auf der Ausreise S. M. S. Möwe nach — 1911 und Vermessungsarbeiten an der Küste. Capt. Schlenzka, 393* ¶ Maps of German Southwest Africa: Karte des Deutsch-Portugiesischen Grenzgebiets in Südwestafrika. P. Sprigade, H. Nobiling and W. Rux, n., 718; Karte des Küstengebietes zwischen Hottentottenbucht und Empfängnisbucht. 1. Nordblatt, 2. Südblatt, n., 717; Das Kaoko-feld nach vorhandenem Material und eigenen Aufnahmen von J. Kuntz. W. Rux, n., 717; Über-sichtskarte des meteorologischen Beobachtungswesens von Deutsch-

Südwestafrika, 1910-11, n., 637

ITALIAN COLONIES IN

AFRICA: ¶Prodotti coloniali.

F. Cortesi, 390*

PORTUGUESE EAST AF-See also Mozambique: ¶ Natural Features and Resources of Portuguese Zambesia, 314*

¶ Map: Africa Oriental Portuof

gueza, n. 238

PORTUGUESE WEST AF-RICA: ¶Zur Karte des Deutsch-portugies. Grenzgebiets, 149*; Mission Rohan-Chabot dans l'Angola. E. Hulot, 314*; Auf neuen Pfaden in Angola. B. A. Cuninghame and J. W. Hill, 390*; The Portuguese in West Africa. H. H. Johnston, 389* ¶Maps of Portuguese West Africa: Itinéraire de Jan de Herder d'après Dapper et d'Anville, n., 318; — restitué d'après les cartes modernes, n., 318; Karte des Deutsch-Portugiesischen Grenzgebiets in Südwestafrika. P. Sprigade, H. Nobiling and W. Rux, n., 718

SPANISH WEST AFRICA:

¶ Posesiones españolas del Africa
Occidental. Presupuesto de gastos é ingresos para 1913, 469*

UNION OF SOUTH AF-RICA: ¶L'Afrique australe britannique, 711*; Ann. Reports, 1911, Mines Dept., Part 3: Geological Survey, 390*; Directors' Report and Accounts . . . 1912, British South Africa Co., 390*; Export of Fruit, Government Inspection of Fruit, 230*; Freshwater Fishes of South Africa. J. D. F. Gilchrist and W. W. Thompson, 711*; Salt Pans of the Coast Region. W. G. S. Stead, 711*; South African Meteorology: Weather Forecasting. A. G. Howard, 390*; Sugar-cane in South Africa. H. J. Choles, 789*

Agamennone, G., 392*, 632*, 794* Ageaoili, F. See Gibbs, H. D. Agostini, G. De: See De Agostini.

AGRICULTURE. ¶ Agricultural Drafting. C. B. Howe, n., 943; Über Beziehungen zwischen Pflanzenphänologie und Landwirtschaft. E. Ihne, 555*; Dry-Farming. C. M. Sanford, 474*; Dry Farming: A System of Agriculture for Countries under a Low Rainfall. J. A. Widtsoe, rev., 542; French translation, n., 466; Das Trockenfarmen im Wester der Vereinigen Staaten und seine wirtschaftliche Bedeutung. G. Plehn, n., 623; Die zweite Union Dry Farming Congress in Bloemfontein, 1912, 870*; Über geologischagronomische Karten und ihre Bedeutung für Land-und Forstwirtschaft. W. Schottler, 234*; Wiss. Stellung und Aufgabe der Landwirtschaft. E. Feige, 875*

Ahlemann, H. W., 205 Ailly, Pierre d'— et la Découverte de l'Amerique. L. Salembier, 634*

AIR. See also Atmosphere: ¶Halbtägige Oszillation des Luftdruckes über den tropischen Ozeanen. Henckell, 235*; Sounding the Ocean of Air. A. L. Rotch, n.,. 145; Total and partial correlation coefficients between sundry variables of the upper air. W. H. Dines, 555*; Utilization of the Nitrogen of the Air.

A. A. Noyes, 794*
Aïr (Asben): ¶Une Nouvelle Carte
de l'Aïr. R. Chudeau, 869*

Aitken, G. G., 876* Åkerblom, F., 472*

ALABAMA: ¶Iron Making in -W. B. Phillips, 467*; Statistics of Agriculture, Census 1910, 228*; Summer Session at the University of -, 527*

Aland Islands: ¶Über eine Gangformation von fossilienführendem Sandstein auf der Halbinsel Angbergsöda-öjen im Kirchspiel Saltvik, Alands Inseln. V. Tanner, 952*

ALASKA: ¶Agriculture in Alaska, 286; Alaskan Glaciers in Relation 286; Alaskan Graciers in Alaska, to Life. L. Martin, 801; Alaska, The Great Country. E. Higginson, rev., 455; Alaska Woods, Their Present and Prospective Uses. R. E. Hoffman, 783*; Bonnifield Region. S. R. Capps, 625*; Eagle River Region. A. Knopf, 467*; Ex-plorations now in Progress in Alaska, 522; Exploration and Survey of the 141st Meridian, Alaska. D. H. Nellas, 228*; Geologic Investigations along the Canada-Alaska Boundary. A. G. Maddren, 387*; Geologic Reconnaissance of Fairbanks Quad., detailed description of Fairbanks District, and account of lode mining. L. M. Prindle, F. J. Katz and P. S. Smith, 944*; Glacial Deposits of the Continental Type in -. R. S. Tarr and L. Mar-Type in —. R. S. Tarr and R. Martin, 783*; Glaciation in Northwestern —. P. S. Smith, 228*; The Katmai Eruption. G. A. Clark, 944*; Recent Eruption of Katmai. G. C. Martin, 467*; Katmai, Taal, etc. A. G. McAdie, 714*; Koyukuk-Chandalar Region. A. G. Maddren, 866*; Mineral Resources. Report on Progress . . . 1911. A. H. Brooks and Others, 387*; Natl. Geogr. Soc. Researches in —. L. Martin, rev., 533; Railroad Routes, 431; Reindeer Progrees in -. L. E. Zeh, 228*; Report for 1912 on Trade and Commerce of Consular District of the Territory of —, 867; Salvation of Alaskan Fur Seal Herd. H. W. Elliott, 68*; Sanitary Condition of the Natives. M. H. Foster, 466*; A Survey of — 1743-1799. F. A. Golder, 549*; Tin Resources. F. L. Hess, 387*; Wilderness of North Pacific Coast Islands. Hunter's Experience while Searching for Wapiti, etc. C. Sheldon, rev., 54; Yentna District. S. R. Capps, 866* ¶ Maps of Alaska: Geol. Map of Eagle R. Region. A. Knopf, n., 556; Geol. Map of Lower Matanuska Valley. G. C. Martin, F. J. Katz and T. Chapin, 635; Geol. Reconnaissance Map of Headwater Region of Gulkana and Susitna Rivers. F. H. Moffit and B. L. Johnson, n., 556; Reconnais-

sance Map of Headwater Region of Gulkana and Susitna Rivers. D. C. Gulkana and Susina Rivers. D. C. Witherspoon, C. E. Giffin and Others, n., 556; Geol. Reconnaissance Map of Iliamna, Region. G. C. Martin, F. J. Katz and T. Chapin, n., 635; Geol. Map of Seward Peninsula. P. S. Smith, n., 715. Geol. Reconnaissance Map of 715; Geol. Reconnaissance Map of Sitka and Juneau Mining District. After F. E. and C. W. Wright, 716*; Reconnaissance Map of Ili-amna Region. D. C. Witherspoon and C. E. Giffin, n., 635; Geol. Reconnaissance Map of Matanuska Valley. F. J. Katz, A. Knopf, and Others, n., 635; Reconnaissance Map of Seward Pen., n., 715; Sketch Map to illustrate Paper on the Arctic Islands and their Eskimo Inhabitants by V. Stefansson, n., 796; Map of Lower Matanuska Valley, showing coal areas, location of coal sections, etc., n., 636; Map showing observed distribution of higher gravels S. E. of Lake Clark, n., 635; Map of Central — showing position of Coal Fields, n., 635; Map showing distribution of Forests in Iliamna Region, n., 635; Reprint (1912) of Part of Geol. Reconnaissance Map of Central Copper River Region. W. C. Mendertell denhall, n., 556; Topogr. Map of Eagle R. Region, 1912. J. W. Bag-ley, C. E. Giffin, R. E. Johnson, n., 556; Sketch Map of Country Ad-jacent to the N. Section of Boundary between Alaska and Canada. O. H. Nellas, n., 235; Sketel Map of Nome region showing Distribu-tion of Placers, n., 715; Topo-graphic Map of Lower Matanuska Valley. R. H. Sargent, 635; South-ern Part of Cook Inlet, Chart, 768

Alaska Peninsula, Chart Dolgoi Is. to Deer Is., 76*

ALBANIA. ¶ The Albanians. T. J. Damon, 315*; Albanien. W. Kellner, 632*; Durch Albanien und Montenegro. Betrachtungen zur Völkerkunde, Politik, usw. H. Grothe, rev., 860; Nordalbanie. G. Kuchinka, 154*; Les ports d'Albanie, 792*; La question d'Albanie. J. Jourbet, 315* ¶ Maps of Albania: Die Grenzen des neuen albanischen Staates nach den verschiedenen Vorschlägen, n., 559; Makedonien, Altserbien und Albanien. K. Peucker, n., 320

Cambrian Forma-ALBERTA: tions of the Robson Peak District. the Yellowhead Pass. A. O. Wheeler, 229* ¶Map of Alberta: Sectional Map of Western Canada, n., 557 Albertis, E. A. d', 213, 779, 780 Alexander, C. W., 630*

ALEXANDRIA: ¶ Meteorological Factors of mortality in Cairo and Alexandria. J. I. Craig, 389*; Report for 1912 on the Trade and Commerce of Consular District of -, 947*

Alexis, M. G., 66 Alföld, Die Oberflächengestalt des E. v. Cholnoky, 713

ALGERIA: A: ¶ Algérie. Brieux, Algêrie-Tunisie (Guides pratiques Conty), n., 464; Algérie-Tunisie. G. Jacqueton and S. Gsell, n., 464; Aspects of Algeria, Historical, Political, Colonial. R. Devereux, rev., 296; Exposé de la situation situation générale des territoires du sud de l'Algérie. Ch. Lutaud, n., 624; Some Features of the Physiography and Vegetation of the Al-gerian Sahara. W. A. Cannon, 481; La frontière Algéro-Maro-caine. A. Colliez, n., 384; Géographie élémentaire de l'Afrique de Nord. A. Gleyze, n., 941; Vom Mittelmeer zum Nordrand der Sahara. M. Rikli and C. Schröter, rev., 772; Répartition de la langue berbère en Algérie. E. F. Gautier, 787*; Storia della Conquista dell'-Algeria. G. Quesnel, 464*; Traveller's Handbook for Algeria, etc., n., 704 ¶ Maps of Algeria: Esquisse géologique et tectonique du Titteri, n., 156; Répartition de la langue berbère en Algérie. E. F. Gautier, n., 717; Schéma indiquant l'état de la cartographie géologique dans l'Algérie orientale, n., 478

Algiers: ¶ Alger. Second port fran-çais. E. Gallois, 787*

Algonquian Tribes. Preliminary Report on the Linguistic Classifica-tion of —. T. Michelson, 707* Allemand-Martin, A., 231*

Allen, G. W., 769 Allen, H. B., 785* Allen, J. A., 549*, 555* Allin, C. D., and Jones, G. M., 294 Allison, J. N., 72*

Almagià, R., 864

to Jasper Park, Yellowhead Pass and Mt. Robson Region, 1911. A. O. Wheeler, 549* Alpine Type of Mts.: ¶Der Bau

alpiner Gebirge. R. Lachmann, 874* ALPS: ¶Alpine Studies. W. A. B. Coolidge, rev., 59; Beitrag zur Anthronogeographie der Alpen. Die ständigen Siedlungen an der Adamellogruppe und die Boden-formen. O. Lehmann, 233*; Berner Alpenbahn. H. Behrmann, 865*; Die bewohnten und unbewohnten Areale der Ost-Alpen. N. Krebs, 391*; The Building of the Alps. T. G. Bonney, rev., 538; tber den Einfluss der täglichen Luftdruckänderungen auf das Wetter in den nördlichen österr. Alpenländern. O. v. Myrbach-Rheinfeld, 949*; Landeskundliche Literatur der österr. Alpenländer, 1906-10. F. Matchatschek, 153*, 553*; Über die Einheit und die Ursachen der Eiszeit in den Alpen. R. Lepsius, 391*; Étude morphologiques des Alpes orientales, etc. E. de Martonne, 471*; Frühling im bayer-ischen Alpengebiet. K. Maisch, 793*; Glaciers in the French Alps, 765; Die Hebung der atmosphär-ischen Isothermen in den Ostalpen und ihre Beziehung zu den Höhen-H. Mikula, 553*; Die grenzen. präglaziale Alpenoberfläche. Hess, 792* ¶Map of the ¶ Map of the Alps:

Schneegrenzkarte der Alpen, n., Alsace, L'industrie du coton en -. B. Auerbach, 392*

Alsberg, M., 714* Alt, E., 541

Alt, E., C.

ALTAI: ¶Les Decen.

Prof. Sapojnikoff [Sapoznikov,
V. V.] dans l'Altaï de Mongolie,
n., 547; Old and contemporary

of Southwestern —. V. Reznichenko, 631*

Alter, J. C., 445

AMAZON: ¶Amazon Valley to be Explored by the Univ. Museum of Philadelphia, 369; Developing the —. A. Hale, 468*; Dr. Koch-Grünberg's Explorations in the Northern Amazon Basin and the Guiana Highlands, 664; Rubber District of the Amazon: Iquitos and the Tributary Region, 388*

Ambronn, L., 868*
Ambrosetti, J. B., 715*

Ameghino, Doctor Florentino—1854-1911. J. B. Ambrosetti, 715*

AMERICA. GTHE AMERICAS:
Columbus and his Predecessors.
A Study in the Beginnings of
American History. C. H. Me-Carthy, n., 145; Contribution à la cartny, n., 140; Contribution a la connaissance de l'anthropo-géo-graphie de l'Amérique. E. Norden-skiöld, 148*; Early Spanish-American Explorations. D. E. Smith, 368; Über frühere Landbrücken, Pflanzen- und Völkerwan-derungen zwischen Australasien und Amerika. H. Hallier, 633*; Geographische Verbreitung der Haus- und Nutztiere in ihrer Abnaus und Nutztiere in ihrer Ab-hängigkeit vom Klima. R. Hennig, 714*; Die geographische Verbrei-tung der verschiedenen Menschen-rassen in ihrer Abhängigkeit vom Klima. R. Hennig, 714*; Klima des amerikanischen Tropengürtels. R. Hennig, 714*; Die vom Klima abhängigen Schädlinge der Pflanzen- und Tierwelt sowie der Menbauzonen der Kulturgewächse in ihrer Abhängigkeit vom Klima. R. Hennig, 714*; Landbauzonen der Kulturgewächse in ihrer Abhängigkeit vom Klima. R. Hennig, 714*; Vegetationsformationen in ihrer Berichen. Klima. R. Hennig, 714*; Geography by Grades. 6A: Canada, Newfoundland, Mexico, West Indies, Central America, South America. H. B. Niver and E. D. Farrell, rev., 220; History of the Jews in America. P. Wiernik, rev., 621; Pierre d'Ailly et la Découverte de l'Amérique. L. Salembier, 624*, L. Dioxides de l'Amérique. 634*; La Planta en el Arte de la Antigua América. von Hörschel-mann, 954*; Rabenort's Geo-graphies. North and South America (exclusive of the U.S.). W. Rabenort, rev., 221; Relationship between Terrestrial Gravity and Observed Earth-Movements Eastern America. J. W. Spencer, 873*; Studies of Tropical Ameri-can Ferns—No. 4. W. R. Maxon, 873*

CENTRAL AMERICA:

¶ American Mediterranean. S.
Bonsal, rev., 209; Archäologische
Reise in Süd- und Mittel-Amerika.
E. Seler, 873*; Central and South
America with the West Indies.
(Descriptive Geography from Original Sources.) Selected and edited
by F. D. and A. J. Herbertson, n.,
386; The Conquest of the Tropics,
785*; Geography by Grades. 6A:
Central America, South America,
etc. H. B. Niver and E. D. Far-

rell, rev., 220. ¶Map of Central America: National Geographic Magazine Map of, n., 956 NORTH AMERICA: ¶Adop-

tion of the North American Datum. W. Bowie, 614; L'America del Nord. A. Michieli, n., 941; Some American Problems. A. P. Maudslay, 310*; Anthropography of -. M. Jefferson, 161; Birds of Eastern

— C. A. Reed, n., 307; Colonias
portuguesas nas Ilhas de Havaii e
America do Norte. J. Costa, 554*; Delimitation of Geologic Periods illustrated by the Paleography of -. G. Schuchert, 944*; Distribution of Human and Animal Life in Western Arctic America. V. Stef-Western Arctic America. V. Ster-ansson, 714*; Distribution and Migration of N. A. Herons and Their Allies. W. W. Cooke, 866*; Distribution of Ocean Tempera-tures along the West Coast of —. Deduced from Ekman's Theory of Upwelling of Cold Water from Adjacent Ocean Depths. G. F. Mc-Ewen, 944*; Early American Mountaineers. A. H. Bent, 866*; Early Norse Visits to —. W. H. Bab-cock, 866*; L'énigme du Vineland. Coca, 800°; Tenigme du Vinerada. C. de la Roncière, 875°; Gli Eschi-mesi. La razza—Gli usi e i cos-tumi—Folklore. A. Faustini, 703; Les expéditions des Scandinaves en Amérique devant la critique; un nouveau faux document. H. Vignaux, 310*; Fixité de la Côte Atlantique de l'Amérique du Nord. Atlantique de l'Amerique du Nord.
D. W. Johnson, 227*; Fluctuating
Climate of — E. Huntengton,
227*; Geography by Grades.
Grade 5A: North America, etc.
6B: North America. H. B. Niver 6B: North America. H. B. Niver and E. D. Farrell, rev., 220; Senior Geography of North America. G. C. Fry, 941*; Index to the Stratigraphy of —. B. Willis, rev., 139; List of N. A. Land Mammals in the U. S. National Museum, 1911. G. S. Miller, Jr., 228*; Neuere Forschungen in Nordamerika. M. Binn, 625*; Nordamerik. Pflanzengeographie. H. L. Krause, 228*; Aus Nordamerikaris. amerik. Pflanzengeographie. H. L. Krause, 228*; Aus Nordamerikas Wüsten. D. T. MacDougal, 625*; Norsemen in America. F. Nausen 387*; North America of To-Day and To-Morrow and Indiana's Place in it. C. R. Dryer, 227*; N. American and European Drift Deposits. R. M. Deeley, 227*; Ocean Temperatures Along the West Coast of —. G. F. McEwen,

America—Cont'd.
452; Phytogeographic Survey of
—. J. W. Harshberger, rev., 38; Relation between Cambrian Faunas of Scotland and North America. B. N. Peach, 68* ¶N. American Indians; see under Indians.

SOUTH AMERICA: QL'-America del Sud. A. Michieli. n.. 941; Archäologische Reise in Südund Mittel-Amerika. E. Seler, 873*; Central and South America with the West Indies (Descriptive Geography from Original Sources.) Selected and edited by F. D. and A. J. Herbertson, n., 386; Sous la Croix du Sud: Brésil, Argentine, etc. Prince L. d'Orléans-Bragance. rev., 373; Dos Años en América.
E. Zamacois, 941*; Early Man in
America. A. Hrdlička, 311*; Early
Man in S. America. A. Hrdlička,
W. H. Holmes, B. Willis, and
Others, rev., 141; Dr. E. v. Nordenskiöld returns to —, 762; The Flowing Road. Adventuring on the Great Rivers of -. C. Whitney, rev., 56; In Foreign Fields. J. E. Wing, rev., 771; Geographical Aspects of the New Madeira-Mamoré Railroad. I. Bowman, 275; Geologic Work of Ants in Tropical America. J. C. Branner, 311*; German Steamers on S. A. Rivers, A46; Great Chanca Confederacy. An Attempt to Identify some of the Indian Nations that Formed It. S. A. Lafone Quevedo, 709*; Die heutige und die frühere Vergletscherung Südamerikas. W. Sievers, rev., 456; Mission du Service Géographique de l'Armée pour la Mesure d'un Arc de Méridien Équatorial en Amérique du Sud, Tome 6: Ethnographie ancienne de l'Équateur, n., 547; New Way to cross the Andes. A. Hale, 468*; Notes on Commercial Geography of South America. W. S. Tower, 881; The Other Americans. Cities, Countries . . . People of — A. Ruhl, rev., 458; Prof. Bowman's Expedition to Central Andes, 348; Railways of —. W. A. Reid, 946*; Reisebriefe der südamerikanischen Jesuitenmissionare Johann Zakarjás und David Fáy, 627*; H. Rice's Explorations, 925; South America. Painted by A. S. Forrest, described by W. H. Koebel, rev., 457; Südamerikanische Urwald in der Kunst. C. Schöffer, 627*; Through South America. H. W. Van Dyke, rev.,

209; Treatise on S. A. Railways and the Great Intern. Lines. J. J. Castro, 388*; Waffen der Naturvölker Südamerikas. O. Dieck, 709* QS. American Indians: see under Indians.

American Antiquarian Society, Proceedings of the — at Annual Meet-

ing, 1912, 626*
American Association for the Advancement of Science, Proceedings of - 1910, 69*

American Geographers: see Associa-

tion of AMERICAN GEOGRAPHICAL SOCIETY: Annual Meeting and Report of the Council, 131; Award of Daly Medal to R. Amundsen. 131, 133; - to A. H. Brooks, 197, 442: Binding Library Books, 365; Correspondence, 290, 439; Contributions of the Society to Field Exploration: Crocker Land expedition, Central Andes Expedition, 365; The David Livingstone Centenary Medal, 365; Delegate to the Tenth Intern. Geogr. Congress, 196; Delegates to the Twelfth Intern. Geol. Congress, 366; Dr. Stevenson's Handbook, 365; Exhibitions by the — and the Hispanic Soc. of America, 285; Exhibition in the Lecture Hall, 365; Exhibition of Karakoram and Ruwenzori Photo-graphs, 924; — of Maps, Photo-graphs, etc., 924; Growth of the Library and Map Collections, 197; New Ptolemy Maps, 365; Recent Additions to Our Map Collection, 443, 614; Honorary and Corresponding Members and Fellows of the -, July 1, 1913, 674; Prof. Bowman's Expedition to Central Andes (Auspices Amer. Geogr. Soc.), 348, 365; Relations Between the Society and the Assoc. of Amer. Geogr., 442; Mr. Robbins Retires from the Chairmanship of the Council, 196; Special inter-monthly meetings, 133, 197, 285, 443; Transactions, 45, 131, 196, 285, 365, 442, 924; Transcontinental Excursion: Celebration of the 60th Anniversary of the Amer. Geogr. Soc., 549*; Escursione transcontinentale organizzata dalla Amer. Geogr. Soc. G. de' Luigi, 626*; Escursione geografica transcontinentale 1912, negli Stati Uniti d'America. C. Calciati, 625*; Photographs taken by Members of Transcontinental Excursion, 613; Some Printed Results of the Transcontinental Excursion, 613;

Amer. Geogr. Soc.—Cont'd.
Transkontinentale Exkursion der Amerik. Geogr. Gesellschaft. Partsch, 626*

American Museum of Natural History, 44th Annual Report of the for 1912, 549*; Seismograph at the —. E. O. Hovey, 473*

Statesman's American Yearbook, 1912, 227*

Améicanistes, Compte Rendu du Congrès International des —, 18e Session, Londres, 27 mai-1 juin, 1912. Capitan, 634*; Reseña de la Segunda Sessión del XVII Congreso de Internacional Americanistas,

etc., rev., 373 Amerind: See Indians, American. Amoy, Report for 1912 on the Trade of, 790*

Ampuero, L. P. and Aramayo del Rio, C., 156

Amu-Darya: ¶ Recent changes in the Delta and the course of the —. K. N. Vladimirov, 232*; Trip to the Delta of the - in summer of

1911. L. A. Molchanov, 631*
Amundsen, R., 74*, 315*, 472*, 540;
—'s Arctic Expedition, 618; Découverte du Pôle Sud par (Map), n., 160; Personal, 131, 133 Amur Territory. 1906-10. P. F. Amur Unterberger, 632*

Ancestor Hunting: Significance of the Piltdown Skull. G. G. Mac-

the Phagon. Curdy, 875* Ancestor Worship: ¶Le Livre de la Dista Filiale. Traduit par Lieut. P. Babé, 474*

¶ Along Spain's River ace: The Guadalquivir. Andalusia: of Romance: The Lure of the Real Spain in Andalucia, etc. P. Gwynne, rev., 377; À travers le monde musulman ancien et moderne, de Tanger à Tlemcen par les cités Maures d'Andalousie. P. Clerget, 633*

Andaman Islands, Malaria in the -. S. R. Christophers, 624' Anderson, C. W., 312*

Anderson, R., Personal, 620 Andersson, J. G., 144, 377

ANDES: ¶ Across the Andes. C. J. Post, n., 780; New Way to Cross the Andes. A. Hale, 468*; Physiography of the Peruvian Andes. V. F. Marsters, 388*; Prof. I. Bowman's Expedition to the, 348; First Report of Bowman's Expedition, 750; Through the Heart of the Andes, 623* ¶Maps of the Andes: Gliederung der Kordillere

im Forschungsgebiet von F. Kühn, n., 797; Karte des Weges von Bar-real zum Rio de las Vacas. F. Kühn, n., 797

Andorra: The Hidden Republic, Its Origin and Institutions, and the Record of a Journey Thither. L. G. Leary, n., 308

Andrade. Antonio de, S. J. Een ontdekkingsreiziger in de Himalaya en in Tibet (1624-1630). C. Wessels, n., 624

Andrée, K., 954* Andrews, E. C., 74*, 791* Andrews, G. P., 547

Anfossi, G., 633*

Angkor: ¶Guide aux ruines d'Ang-kor. J. Commaile, n., 146 Angola: See Portuguese West Af-

rica, under Africa. Angot, A., 144

Anhalt: Die Entstehung der anhaltischen Städte. W. Müller, 472*

ANIMALS: ¶La distribution géo-graphique des animaux d'après l'Atlas de Bartholomew. L. Ger-main, 555*; Die ökologischen Grundlagen der Tierverbreitung. Grundlagen R. Hesse, 875*

Anjou, Map: Carte des gisements de minerai en fer en Normandie, Anjou et Bretagne, 958*

Annam: ¶La Cité Annamite, Tome 1. La Fondation. Tome 3. Les Errants. C. Briffaut, n., 781

Annobon, Die Insel— im Golf von Guinea. A. Schultze, 789*; Map accompanying above paper. A. Schultze and C. Schmidt, n., 479

Antanànarivo Connected with the Sea by Rail, 763 ANTARCTIC. See also Polar: See also Polar: tinent. W. S. Continent. ¶ Antaretie Bruce, 74*; Antarctic Discovery at the British Association, 74*; Die Antarktis. C. Easton, 472*; Area Antarctic Regions of Unknown compared with Australia, unknown Arctic Regions, and British Isles. W. S. Bruce, 74*; Über die Fortsetzung des Antarktischen Festzwischen landes Enderbyland, Coatsland und Grahamland sowie das Vorhandensein von Neu Südgrönland. W. S. Bruce, 74*; Kartographische Entwicklung der Antarktis. E. Adametz, 74*; Meteorological Reports by Wireless from the, 766 ¶Expeditions: Another Antarctic Expedition Going to Weddell Sea, 692; British Expedition, Australian Exped., German Exp. 554*, British Exped. to King Exp., 554*; British Exped. to King

Antarctic—Cont'd. Edward VII Land, 852 Australasian: Australian Antarctic Expedition: Loss of Two Lives, 473*; Australian Antarctic Expedition, 448; — — —. Report by Capt. J. K. Davis, 872*; Mawson's Expedition, 691; Mawson in son's Expedition, osl, Mawson's Ex-pedition to Wilkes Land, 137; A Wireless Despatch from Mawson, 527 **QBritish**: The Antarctic Disaster, 473*; Le désastre de l'expedition Scott. C. Rabot, 472*; Honors to Surviving Members of the Scott Party, 930; Robert Scott och hans expedition. O. Norden-skjöld, 872*; British Antaretic Expedition 1910-13. E. R. G. R. Evans, 872*; The British Antaretie Expedition, 202; Captain Scott's Ant. Exp.: Second Year's Results, 473* ¶ French: Deuxième Expédition antarctique française (1908-10), commandée par le Dr. J. Charcot. Sciences naturelles: documents scientifiques. E. Lamy, J. Thiele, and Others, n., 145; Expédition Antarctique Française (1903-1905). Hydrographie, physique du Globe. A. Matha et J. J. Rey, rev., 302. ¶German: Deutsche Südpolar-Expedition, 1901-3. Herausgegeben von E. v. Drygalski. II. Band: Geographie und Geologie, rev., 697; German Antarctic Expedition, 423; Filchner's — —, 137; No New Filehner Expedition, 619; Latest Voyage of the Antarc-tic Ship "Deutschland," 692; Ozeanographische Arbeiten Deutschen Antarktischen Expedition: (Buenos Aires, usw.). W. Brennecke, 234*; Die Eisfahrt. W. Brennecke, 472*; ¶ Norwegian: Norwegian South Polar Expedition. R. Amundsen, 315*; Au Pôle Sud (lecture). R. Amundsen, 472*; Au Pôle Sud. R. Amundsen, Transl. by C. Rabot, 472*

¶ Swedish: Geographische Tätigkeit der Schwedischen Südpolar Expedition. O. Baschin, 74*; Meteorol. Beobachtungen der — —. 3: Zusammenfassung der allgemeinen meteor. Resultate, usw. G. Bodman, rev., 60; Wiss. Ergebnisse der — 1901-3. Vol. 1, Lief, 3 und 4: Gesundheits- und Krankenpflege . . . Über Präserven-Krankheiten. E. Ekelöf, rev., 377; Vol. 3, Lief. 1: Über die Altter-tiären Vertebraten der Seymour-

insel. C. Wiman, rev., 377; Lief. 2: Contributions to Geology of the Falkland Islands. J. G. Andersson, rev., 377 ¶Maps: Stand der Südpolarforschung Februar 1913. Mit den Routen der Expeditionen von Filchner und Scott, n., 399 **QAustralasian:** Sketch Map of the "Aurora" during the 1st Year of Australasian Antarctic Year of Australias.

Expedition. P. Gray, 80*

British: British Antarctic Expedition: Track of Terra Novaand Route of Southern Party,
Routes of Taylor and Wilson,
Route of Southern Party, 879*;
Itinéraire du Capitaine Scott au

Talla Sud 639*

French: Maps Pôle Sud, 639* ¶French: Maps accompanying "Deuxième Expédition Antarctique Française (1908-10) commandée par J. Charcot'': Antarctide Sud-Américaine et îles environnantes des îles Shetlands du Sud à la Terre Charcot, M. Bongrain, n., 959*; Carte Générale des Terres explorées de la Baie Pendleton à la Terre Charcot. M. Bongrain, n., 959; Carte d'itinéraire de la campagne d'été de 1909, — de 1910, M. Bongrain, n., 959; and seven-other maps of various localities-surveyed, n., 959 **¶German**: Das: neuentdeckte Prinzregent Luitpold-Land und Eisbarriere im Süden der Weddell-See auf Grund der Originalaufnahmen der Deutschen Antark. Exp., n., 399; Reiseweg-und Lotungen der Deutschen Antarkt. Exped. im Weddellmeer 1911-12, n., 560; Trift der "Deutschland" im Packeis des Weddellmeeres, 1912, n., 560; Die Vahsel-Bucht und ihre Umgebung im äussersten Süden der Weddell-See auf Grund der Originalaufnahmen der Deutschen Antarkt. Exp., n., 399 ¶ Norwegian: Chart of Antarctic Region between Lat. 75° S. and 90° S. and Long. 100° W. and 150° E., n., 239; Découverte du Pôle Sud par R. Amundsen, n., 160; Routes: of Capt. R. Amundsen's South Polar Exp. 1911-12, n., 240

ANTHROPOLOGY. See also-Man: ¶Ancestor Hunting: Significance of the Piltdown Skull. als Wurzel des Totemismus. R. Thurnwald, 474*; The Early Sea. People. K. E. Dopp, n., 386; Inter-University Conference on "Culture and Environment," 203; Kulturder Urzeit. M. Hoernes, n., 706; Anthropology-Cont'd.

Notes and Queries on Anthropology. Edited by B. Freire-Marreco and J. L. Myres, n., 386; Das Photo-graphieren auf anthropologischen Forschungsreisen. R. Pöch, 474*; Rassen und Völker. L. Wilser, n., 706; Reports of the Cambridge Anthrop. Expedition to Torres Strait, rev., 462; Studi sulla distribuzione dei caratteri e dei tipi antropologici. R. Biasutti, 634*; Urgesellschaft und ihre Lebens-fürsorge. K. Weule, n., 309; fürsorge. K. Weule, n., 309; L'Uomo secondo le Origini, l'Antichita, le Variazioni e la Distrib-uzione Geografica: Sistema naturale di Classificazione. G. Sergi, rev., 543; Views and Reviews from the Outlook of an Anthropologist. Sir Harry Johnston, n., 146

Antiquaries, Proceedings of the Society of - of London, Session

1911-12, 466*

Antiquity, Archæologia or Miscellaneous Tracts Relating to -, n.,

Anti-Taurus: Meine Vorderasienexpedition, 1906 und 1907. Vol. 2. H. Grothe, rev., 937

Antofagasta: ¶Le provincie Antofagasta, Atacama, etc. R. Monzani, 868*; Report for 1912 on Trade of the Consular District of, 868*

Antze, G., 553* Anufriev, I., 554*

Anza Expedition of 1775-76. Diary of Pedro Font. Teggart, 626* Edited by F. J.

Aparicio, B. G., 934 Apennines, The Call of the Abruzzi and Other -. W. C. Slingsby, 633*

Appalachian Mountain Club: ¶Club's Collection of Photographs on Exhibition, 924

ARABIA: ¶Arabia Petrea. II. Edom. Topographischer Reiseber-icht, 2. Teil. III. Ethnologischer Reisebericht. A. Musil, rev., 375; Capt. Leachman's Journey Across Arabia, 446; Influence of Environment on the Peoples of — and Syria. G. M. Marten, 314*; In Nordostarabien und Südmesopotamien. S. von Bourbon von Parma and A. Musil, 711*

Arabs in Tripoli. A. Ostler, rev., 459 Aragon: ¶The Aragonese Dialect. G. W. Umphrey, 233*

Araguaya: Über die hauptsächlichsten Ergebnisse der - Reise. W. Kissenberth, 868*

Aral Sea: ¶Nachrichten über den Aral See und den unteren Lauf des Amudarja von den ältesten Zeiten bis zum XVII. Jahrhundert. W. Barthold, rev., 777

Aramayo del Rio, C.: see Ampuero, L. P.

Arameans: ¶Die Aramäer. Historisch-geographische Untersuchungen. S. Schiffer, n., 464 Arbenz, P., 953* Arbos, P., 792*, 928

Arc of a Meridian: ¶ Äquatoriale und arktische Meridian-bogenmessung.

E. Hammer, 873*
Archæology: ¶American School of
Archæology in China, 370; Archæologia or Miscellaneous Tracts Relating to Antiquity, 1912, n., 466; Rough Stone Monuments and Their Builders. T. E. Peet, n., 309 Archangel: ¶De Povênets à Arkhan-gelsk. J. Legras, 952

Arcin, A., 629* ARCTIC. See also Greenland, Spitzbergen, etc.: ¶Arctic Islands and Their Eskimo Inhabitants. V. Stefansson, 372*; Distribution of Human and Animal Life in Western Arctic America. V. Stefansson, 714*; Eskimo and Civilization. V. Stefansson, 233*; Five Years of Arctic Exploration from Bering Strait to Coronation Arctic Maps, 611; Map of the Arctic Regions, 610; Misconcep-tions about Life in the Arctic. V. Stefansson, 17; New Land to the North of Siberia, 929; The North Pole and Bradley Land. E. S. Balch, rev., 697; Origin of Stefansson's Blond Eskimo. A. W. Greely, 233*; The state of ice in the Arctic Seas, 1912. C. I. Hansen Speer-schneider, 473*; Undiscovered Land in the Arctic Ocean. R. A. Harris, 473*; On Value of Fossil Floras of the Arctic Regions as Evidence of Geological Climates. A. G. Nathorst, 315*; Victoria Island and the Sur V. Stefansson, 93 rounding seas. ¶ Expeditions. Canadian: Canadian Arctic Expedition. V. Stefansson, 872*; Stefansson Party off for son, 872°; Stefansson Party on for the Arctic, 618; Stefansson on His Journey North of Alaska, 929; Stefansson's Exp., 288, 525 ¶Crocker Land: ¶The Crocker Land Expedition, 371, 449, 753; Personnel of the —. E. O. Hovey, 714°; Reorganized —, 137 ¶Norwegian: General Result of NorArctic-Cont'd.

wegian 1911-12 Arctic Expedition, A. Staxrud and A. Hoel, 450 ¶Other Expeditions: Amundsen's Arctic Expedition, 618. ¶ Campagne Arctique de 1. Étude lithologique de 1907. fonds recueillis dans les parages de la Nouvelle-Zemble. J. Thoulet 2. Microplankton des Mers de Barents et de Kara. A. Meunier. 3. Journal de bord et physique du globe, aster Overtakes Lieut. Schröder-Stranz's Arctic Expedition, 289; The Schröder-Stranz Expedition, 929. The Fate of H. V. Radford 929. ¶The Fate of H.
and T. G. Street, 924 ¶French
Expedition to Franz Josef Land, 372. ¶Lost in the Arctic. Story "Alabama" Expedition, of the 1909-12. E. Mikkelsen, rev., 862. Russian Expedition by the North-East Passage, 49 ¶ Maps: Canadian Arctic Expedition. Proposed route of Expedition; Polar Regions showing supposed land mass according to tidal evidence, n., 879; Isochionen der Nordpolarländer, n., 960; Sketch Map to Illustrate Paper on the Arctic Islands and their Eskimo Inhabitants by V.

Stefansson, n., 796 Arctowski, H., 117, Personal, 620 Ardaillon, E., 629*

Ardennes, Géographie du Département des Ardennes. A. Joanne,

n., 865

Arequipa, Peru, Earthquakes at, 710* ARGENTINA: ¶La alta Cordillera de San Juan y Mendoza y parte de la Provincia de San Juan. W. Schiller, 627*; L'Argentine telle qu'elle est. P. Walle, rev., 457; Argentine Military Geogr. Inst., 199; Argentinien einst und jetzt. L. Groebner, n., 384; La Carte de la République Argentine. B. G. Aparicio, rev., 934; Einwanderung und Einwanderungspolitik. G. Hiller, rev., 934; General Descriptive Data, June, 1912, 551*; Le gouvernement représentatif fédéral. J. N. Matienzo, n., 780; Historisch-geographische Skizze über die Schweizerkolonien in Argentinien. A. N. Schuster, 311*; Modern Argentina. El Dorado of To-day with notes on Uruguay and Chile. W. H. Koebel, rev., 770; Origines Ar-

gentinos. R. Levillier, 780*; La Sierra de la Lumbrera. P. Denis, 868*; ¶Agriculture and Commerce: Boletín Mensual de Estadistica Agricola, 1912, 468*; Crops and the Railways, 468*; Estadística Agrícola., 1911-12, 551*; I progressi dell' agricoltura argentina. P. Gribaudi, 311*; Argentina as a Factor in International Beef Trade. H. W. Mumford, 149*; Commerce of the Republic for 1911, 551*; ¶ Geol. Exploration: Beiträge zur geologischen Erforschung Argentiniens. F. Kühn, 786; El Devonia-no de la Argentina Occidental. J. M. Clarke, 786*; Informe sobre una Exploración geológica en la Región de Orán, 709*; Die neueren Ergebnisse der staatlichen geologischen Untersuchungen. H. Keidel, 786*; Recherches minéralogiques, géologiques et hydrologiques dans la République Argentine, n., 624

¶ Mineral Industries: Dirección
General de Explotación del Petróleo de Comoduro Rivadavia, Estadística minera, Año 1909, 627*; Estado de la industria minera en el distrito minero de Milla Michi-Có y Malal Caballo del Territorio del Neuquen. J. Vatín and G. Barrié, 627*; Informe sobre el Estado de la minería en el Territorio de los Andes. L. Caplain, 627*; — en los distritos mineros de los Buitres y Valle Hermoso de la provincia Mendoza. J. Mena, 627*; — en los distritos mineros de Famatina y Guandacol de la provincia de la Rioja. P. Viteau, 627*; — en la provincia de San Luis. G. Barrié, 627*; Parte meridional de la provincia de la Rioja y regiones limí-trophes. Constitución geol. y productos minerales. G. Bodenbender, 627*; Maps: ¶Gliederung der Kordillere im Forschungsgebeit von F. Kühn, n., 797; Karte des Weges von Barreal zum Rio de las Vacas. F. Kühn, n., 797; Précordillère entre Mendoza et Jachal. D'après la carte de R. Stappenbeck, n., 156; Seelstrano y Tourmente's map issued in 1875 etc., 285*; Sheets of Argentine and Chilean Boundary issued by the Oficina de Limites, 285*; Sierra de Lumbrera, n., 957 RIZONA: ¶Antiquities of the Upper Verde R. and Walnut Creek Valleys. J. W. Fewkes, 707*; Casa Grande. J. W. Fewkes, 707*; Fossit ARIZONA:

Arizona-Cont'd.

Forests of —. F. H. Knowlton, 467*; Irrigation in —. G. W. P. Hunt, 387*; Population. Composition 387*; Population. Composition and Characteristics, Census 1910, 467*; Emory Oak in Southern —. F. J. Phillips, 68*; Map of Petrified Forest, 46; Prel. Note on F. J. Phillips, 68°; map of relation field Forest, 46; Prel. Note on Shower of Meteoric Stones near Holbrook, July 19, 1912. W. M. Foote, 68°; Statistics of Agriculture, Census 1910, 228°; Utah Juniper in Central —. F. J. Phillips and W. Mulford, 68°; Western Yellow Pine in — and New Mexico. T. S. Woolsey, 69° Mans of Arizona; Clason's In-

Maps of Arizona: Clason's Industrial Map. Mineral Features by C. F. Tolman, Jr., n., 477; Map showing Papago Rancherias, Present and Past. C. Lumholtz, n., 76; Petrified Forest Quadr., 316*; Réseau hydrographique de la Salt River, dans les Superstila Salt River, dans les Supersti-tion Mountains . . . d'après la carte du Reclamation Service, 636*; Sketch Map of part of Sonora and Arizona to illustrate paper by C. Lumholtz, n., 76; Sketch Map of part of Arizona and Sonora to illustrate paper by I. N. Dracopoli,

¶Statistics of Agricul-Arkansas: ture, Census 1910, 228* ¶ Map: De Queen Quad., 955* Arldt, T., 472*

Armançon, La Vallée de 1' -, excursion interuniversitaire, 1912. W. M. Davis, 73*

¶ Armenien: ARMENIA: militärgeographische Studie. E. V. Hoffmeister, 631* ¶Maps: Historical map of Armenia and adja-cent regions. G. Vardanian, n., 159; Der voraussichtliche russischtürkische Kriegsschauplatz in Armenien (2 maps). E. v. Hoff-meister, n., 397

Arnaud, Capt. E., 312*, 479 Arno: ¶Le regioni a spartiacque incerto od indeterminato dei bacini dell'Arno e del Serchio. G. Canestrelli, 633*

Arnsberg District: ¶Kartographische
Darstellung der Volksdichte. K.
Closterhalfen, 75* ¶Map: Volksdichte des Regierungsbezirkes Arnsberg 1910. K. Closterhalfen, n., 79

Asben: see Aïr. Ashe, W. W.: see Pinchot, G.

Ashley, G. H., and Campbell, M. R. 466*

Ashmead-Bartlett, E. and S., 548

ASIA. SIA. CONTINENT PARTS OF IT: ¶ AND Climatic Changes (Correspondence). A. T. Olmstead, 439; Asia. (Descriptive Geography from Original Sources). Selected and edited by F. D. and A. J. Herbertson, n., 386; Beiträge zur alten Geographie Asiens. Abteil. Die Alten Seidenstrassen zwischen China und Syrien. A. Herrmann, n., 225; Kurs der Magellanschen Flotte durch die indische Inselwelt auf der ersten seglung 1519-22. O. K O. Koelliker, 231*; Journal Asiatique. Receuil de Mémoires et de Notices rélatifs aux études orientales, 1903-12, 870*; Some Land Forms of the Near East. S. Nicholls, 390*; Der Moschusochs im Diluvium Europas und Asiens. R. Kowarzik, 473*; New Position Determinations in Asia, 49; Remains in Eastern Asia of the Race that peopled America. A. Hrdlička, 287; Sea Road to the East. A. J. Sargent, rev., 58; Senior Geography of Asia. G. C. Fry, 942* ¶ Maps: Literary and Historical Atlas of Asia. J. G. Bartholomew, n., 720

CENTRAL ASIA: ¶En Asie entrale. P. Pelliot, 151*; Le Centrale. dernier voyage de Joseph Martin à travers la Chine et l'Asie Centrale, 1889-92. (Résumé et extraits de son journal de route). A. Allemand-Martin, 231*; Sir Aurel Stein's New Expedition, 927; Travels of N. M. Przevalski in Eastern and Central Asia. After his original works by M. A. Lalinoï, 624* ¶ Maps: Central Asia: Sketch Map showing Route from Kashgar to Kowlun followed by C. Clementi, n., 78; Schneegrenz-

karte Mittelasiens, n., 960
ASIA MINOR: ¶ Kleinasien: Eine Skizze seiner geomorphologischen Stellung. F. Frech, 871*; Reisen und Forschungen im westlichen Kleinasien. 3. Heft: Das östliche Mysien und die benachbarten Teile von Phrygien und Bithynien. A. Philippson, 632* ¶ Maps of Asia Minor: A. Philippson: Geologische Karte des westlichen Kleinasien. Blatt 2, n., 958; Richard Kiepert: Karte von Klein-asien, Sheet B-V: Sivas, n., 318; Topographische Karte des westlichen Kleinasien nach eigenen Aufnahmen . . . von A. Philippson, Sheets 2 & 4, n., 318; Sheets 5 & 6, n., 958

RUSSIAN CENTRAL ASIA, Maps: Die alte Verbindung zwischen dem Oxus und dem Kaspischen Meer. A. Herrmann, n., 798; Tektonische Karte des Kalbin-A. Herrmann, n., ski-Gebirges. W. A. Obruchev, n., 958

TURKEY IN ASIA: ¶Ägä-ische Inseln der Türkei, 948*; Wie man in der asiatischen Türkei reist. H. Grothe, 871*; Deutschland im Orient nach dem Balkan-krieg. E. Jäckh, 866*; Meine Vorderasienexpedition 1906 und 1907. H. Grothe, rev., 937; Auf den Spuren der Bagdadbahn. Banse, n., 864; Rambles in Asiatic Turkey (lecture). E. Huntington, 197*; Die Täler des Taurus und die Linie der Bagdadbahn. F. Frech, 871*; Territoriale Entwicklung der Türkei. M. G. Schmidt, ¶ Maps: ¶ Anschlussbahn von Alexandrette an die Bagdad-

bahn, 78*; Asie Turque, n., 158 Aspinall, A. E., 933 Assada, I., 794* ASSOCIATION OF AMERICAN GEOGRAPHERS: ¶Annals of the —, 760; Ninth Annual Meeting, 134; Next Meeting of the -, 522; Relations between the Amer. Geogr. Soc., and the Assos. Amer. Geogr.,

442 Assuan Dam, 629*

Astronomy: Astronomie in ihrer Bedeutung für das praktische Leben. A. Marcuse, n., 792; Astronomische Ortsbestimmungen mit Besonderer Berücksichtigung der Luftschiffahrt. W. Leick, n., 782

Atacama, Antofagasta, etc., Le pro-vincie de —. R. Monzani, 868*

Atjeh, De verovering en pacificatie van—, vergeleken met de geschiedenis van Britsch-Birma. J. C. A. Bannink, 631*

ATLANTIC COAST: **T**Fishing Banks off our —. G. C. Curtis, 413; Atlantic and Pacific Types of Coast. E. H. L. Schwarz, 235* ¶Maps: Charts U. S. Coast and

Geodetic Survey, 75, 316 ATLANTIC OCEAN: ¶La géologie du fond des mers: Manche et Atlantique Nord. P. Lemoine, 6334; Further Change in Transatlantic Route, 452; Some Long-Period Fluctuations in the Trade Winds of the Atlantic. J. S. Dines, 234*; Effect of Labrador Current upon the Surface Temperature of North Atlantic and of the Latter upon Air Temperature and Pressure over

the British Isles. M. W. C. Hepworth, 393*; Eine ozeanographische Forschungsreise im Atlantischen Ozean 1911. A Merz, 393*; Geographie des - s. G. Schott, rev., 378; Über die Herkunft der Staubfälle im "Dunkelmeer". G. Hellmann, 714*; Monatskarten der Deutschen Seewarte für den Nordatlantischen Ozean. G. Schott, 873*; Monograph on Sub-Oceanic Physiography of the Atlantic Ocean. E. Hull. With Chapter on Sub-Oceanic Features off the Coast of North America and the West Indies. J. W. W. Spencer, rev., 938; N. Atlantic Trade Routes. J. R. Smith, 554*; Oberflächen-temperaturen in südlichen Atlantischen und in dem südostlichen Stillen Ozean zur Zeit der Polarforschung 1901. T. Eylert, 234*; Stabilität der Meeresströmungen im Nordatlantischen Ozean. A. Gadewohl, 554*; Tiefseelotungen S. M. Vermessungsschiffe im Atlantischen und Stillen Ozean, 235*; Windbeobachtungen in den höheren Luftschichten des Atlantischen und südlichen Stillen Ozeans, nach Pilotballonaufsteigen von Dr. H. Meyer, 1909 bis 1911. P. Perlewitz, 235*; Maps: ¶Der Atlantik während der letzten Kontinentalperiode. Nach E. Hull. H. Habenicht, n., 639; Die Eislage an der Neufundland-Bank zur Zeit des Untergangs der Titanic, n., 719; Fonds géologiques de l'Atlantique à l'ouest de l'Europe, n., 160; Lotungen vor der Küste von Brasilien zwischen 27° und 31° S–Br. Roehl, n., 639; Der nordöstliche Teil des Walfisch-Rückens, n., 560; Stabilität der Meeresströmungen südlich von 50° N-Br.:September, Oktober, November, Herbst. A. Gadewohl, n., 639; Unterseeische Talrinne des Kongo, n., 560; Wasser und Lufttemperaturen sowie relative Feuchtigkeit auf dem Atlantischen und dem südlichen Stillen Ozean. H. Meyer, 634*

Atlantic Ocean, Islands of the: ¶ Dans l'Atlantique. Sainte-Hélène aux XVIIe et XVIIIe siècles, l'Archipel de Tristan da Cunha, etc. H. Dehérain, n., 305

Atlantic Plain, Relation of Forests in the — to the Humidity of the Central States and Prairie Region. R. Zon, 867*

Atlantis: ¶Le problème de l'Atlantide et la zoologie. L. Germain, 874*

ATLASES: ¶ Aschehougs Lommeatlas over Norge. K. Gleditsch, n., 720; Atlas der Bijbelsche Aardrijks-en Oudhidkunde. C. Goote and K. Willemaker, n., 720; Atlas de Geografía Universal. Dispuesto por S. C. Fernández, n., 880; Atlas de Poche, contenant 68 cartes, un texte géographique, etc. Nouvelle Éd. F. Schrader, n., 880; Atlas of the World. J. G. Bartholomew, n., 880; Atlas of Zoogeography. J. G. Bartholomew, W. E. Clarke and P. H. Grimshaw, rev., 43; Atlases in the Congressional Library, 761; Black's Diagrammatic Atlas of the British Empire, n., 720; Calendario-Atlante De Agostini. A. Machetto, n., 880; Cambridge Modern History Atlas, n., 240; A Coal Atlas of the World, 451; Commercial Values: An Atlas of Raw Materials of Commerce and Commercial Inter-changes. M. Jefferson, n., 799; Der erste Preussische Seeatlas, 1749 Nouvel Atlas de Marine Composé d'une carte generale, et de XII Cartes Particulieres . . . etc. . . . par Isaac Brouckner, Geographe de S. M. T. C., etc., n., 400; Hammond's Comprehensive Atlas of the World, n., 800; Literary and Historical Atlas of Asia. J. G. Bartholomew, n., 720; Meyers Historischer Handatlas, n., 400; Petit Atlas du Congo Belge, n., 800; Philips' Elementary Atlas of Comparative Geography, n., 800; Photographic Supplement to Stanford's Geological Atlas of Great Britain and Ireland, n., 705; Pratt's Road Atlas of Scotland and Ireland for Motorists, n., 720; Unsere Mittelschul-Atlanten. K. Hüttl, 393*

ATMOSPHERE. See also Air: ¶The Haze of the Upper —. R. O. E. Davis, 794*; Structure of the Atmosphere in Clear Weather. C. J. P. Cave, rev., 62; Temperatur und Feuchtigkeit bei Föhn in der Freien Atmosphäre. H. v. Ficker, n., 309

Atwood, W. W., Personal, 528

Aude, Géographie du Département de
1' —. P. Joanne, 942*

Auerbach, B., 392* Auerbach, F., 474* AUSTRALASIA: ¶Eight Lectures for Visual Instruction Committee of Colonial Office. A. J. Sargent, n., 308; Faune marine de l'Australasie et les anciennes extensions continentales. L. Germain, 72°; über frühere Landbrücken, Pflanzen- und Völkerwanderungen zwischen Australasien und Amerika. H. Hallier, 633°; History of—n Colonies. E. Jenks, n., 308 ¶ Maps: ¶Anciennes extensions continentales de l'Australasie, d'après les travaux de Ch. Hedley, 159°; Carte des bancs et récifs de coraux. L. Joubin and J. Morelli, n., 159

AUSTRALIA: ¶Über die astronomischen Kenntnisse der Naturvölker Australiens und der Südsee. A. Kötz, rev., 301; Australia for the Emigrant. N. K. Bushell, rev., 778; By Flood and Field. Adventures ashore and afloat in N. Australia. A. Searcy, n., 538; Gemeinschaftliche Dampferwege zwischen Südafrika und Australien, 634*; Erschliessung des australischen Nordterritoriums. E. Schultze, 72*; Northern Territory of —, 447; Report on Northern Terr. . . . 1913, n., 781; Influence of Geographical Situation on —n Viticulture. F. de Castella, 871*; Monthly Distribution of Rainfall, 391*; Rainfall of Australia, 201; Monthly Weather Rept. and Meteor. Abstract, Ann. Summary, 1910, 72*; Mount Mulligan Coalfield. L. C. Ball, 553*; On Occurrence of Explosive or Booming Noises (Barisal Guns) in Central — J. B. Cleland, 74*; Physiography of the Proposed Federal Territory at Canberra. G. Taylor, 553*; Report of Medical Officer of Health for Year Ending Dec. 31, 1912. M. J. Holmes, 949*; Report by the Surveyor General for the Year ending June 30, 1912, 553*; Year-Book of Australia for 1912, 72*

SOUTH AUSTRALIA:

¶ Geological Investigations in the Broken Hill Area. D. Mawson, 871*; Geology of Portions of Counties of Le Hunte, Robinson, and Dufferin, with special reference to underground water supplies. R. L. Jack, 391*; First Currency of —, 232*; Possibilities of Discovery of Petroleum on Kangaroo I. and Western Coast of Eyre's peninsula. L. K. Ward, 712*; Review of

Australia—Cont'd.
Mining Operations in the State of - during the Half-Year ended June 30, 1912. L. C. E. Gee, 72*; — Dec. 31, 1912. L. C. E. Gee, 712*; Transactions and Proceedings of the Royal Society of —, Vol. 36, 871*; 62nd Ann. Rept. of Adelaide Chamber of Commerce 1912, 72*, 63rd —, for 1913, 872*

WESTERN AUSTRALIA: ¶Geological Features and Mineral Resources of Pilbara Goldfield. A. G. Maitland, 712*; General Description of Northern Portion of Yilgarn Goldfield and southern Portion of North Coolgardie Goldfield. H. P. Woodward, 470*; Geol. Investigations in Parts of N. Coolgardie and East Murchison Goldfields. H. W. B. Talbot, 470*; Geology and Mineral Industry of Western Australia. A. G. Maitland and A. Montgomery, 470*; Monte Bello Islands. P. D. Montague, 871* ¶Maps: Monte Bello Islands, n., 879; Part of North West Australia to illustrate paper by P. D. Montague, n., 879

AUSTRIA-HUNGARY. See also Hungary: ¶Bericht über Ver-breitung der Reblaus. (Phylloxera vastatrix) in Österreich, 1907, 08, und 09, n., 706; Die bewohnten und unbewohnten Areale der Ost-Alpen. N. Krebs, 391*; Über Einfluss der täglichen Luftdruckänderungen auf das Wetter in den nördlichen Alpenländern. O. v. Mybrach-Rheinfeld, 949*; Étude morphologique des Alpes orientales (Tauern) et des Aipes orientaires (Tatau). Karpates septentrionales (Tatra). E. de Martonne, 471*; Geogr. Ergebnisse der Volkszählung in österreich vom 31. Dez., 1910. R. österreich vom 31. Dez., 1910. Marek, 232*; Handbook of Dalmatia, Abbazia, etc. The Austrian Riviera, including Albanian Coast, Ionian Islands, etc. (Guide Hartleben), n., 942; Hebung der atmosphärischen Isothermen in den Ostalpen und ihre Beziehung zu den Höhengrenzen. H. Mikula, 553*; Das Kartenlesen. Erklärung der Spezialkarte 1:75,000 und der Generalkarte 1:200,000. G. Fambri, rev., 222; Landeskundliche Literatur der österreichischen Alpenländer 1906-10. F. Machatschek, 153*; Die morphologischen Entwicklungsbedingungen des Vaskóher Karstes. L. v. Sawicki, 471*; Old Homes of New Americans. F. E. Clarke, n.,

465; Die pflanzengeographische Literatur Österreichs in den Jahren 1897-1909. A. v. Hayek, 153*; On Recent Sea-Level Variation at the Italian and Austrian Mareograph Stations, and on the Cause of Messina-Reggio Earthquakes of 1908. F. Omori, 553*; Sein und Werden unseres Heimatstaates. F. J. v. Silva, n., 66; Verkehrsgeographische Studien zu einer Isochronenkarte der Österreichisch-Ungarischen Monarchie. F. Heiderich, n., 465 Map: Probeausschnitte aus: Vogels Karte des Deutschen Reichs und der Alpenländer, n., 798 Avelot, R., 149*; 710* Aviation: See Aeronautics.

Aymard, Capt., 774

AZORES: ¶ Alle Azzorre (Crociera del Corsaros). E. A. d'Albertis, n., 779; Report for 1912 on Trade and Commerce of the —, 952*; Service météorologique des Açores. Résumé d'Observations de 1911, 154*; Zusammenhang der Luftdruckabweichungen über Island, den Azoren und Europa. W. Köppen, 391*

Babb, C. C., Covert, C. C., and Bolster, R. H., 228*; 310* Babcock, W. H., 866* Babé, Lieut. P., 474* Baber, —, Personal, 620 Babin, G., 941

BABYLONIA. (IRAK ARABI): ¶ Ancient Babylonia. C. H. W. Jones, n., 864; Bismaya . . . Excavation among oldest ruins of buried cities of Babylonia. E. J. Banks, rev., 694; Wasserwirtschaft . . . in Vergangenheit, Gegenwart und Zukunft. R. Tholens, 948* Bacot, J., 536

¶Genauigkeitsuntersuch-BADEN: ungen über die Bestimmung der Intensität der Schwerkraft durch relative Pendelmessungen auf 9 Stationen des badischen Oberlandes und auf der schweiz. Referenzstation zu Basel. J. Bürgin, 554*; Jahres-Bericht des Zentralb. für Meteorologie und Hydrographie im - mit den Ergebnissen . . . Wasserstandsaufzeichnungen am Rhein und an seinen grösseren Nebenflüssen für 1911, 793*; Statistisches Jahr-

buch für —, 1912, 392* Baedeker, K., 146, 548*, 705 Baehr, A., 313*

agdad R. R.: ¶ Auf den Spuren der Bagdadbahn. E. Banse, n., 864*; Die Täler des Taurus und die Linie Bagdad R. R.: der Bagdadbahn. F. Frech, 871* Bagielli, Das Zwergvolk der —. E. Koch, 150*

Bagot, R., 405

BAHIA: ¶Bahia colonial. Habitantes da-na época de sua descovera. F. V. Vianna, 388*; Notes on Cretaceous Formation of -. J. Mawson, 946

Baikie, J., 385, 947* Bailey, L. H., 67 Bailey, V., 849 Baillaud, E., 772

Bakenhus, R. E., 785* Baker, C. L., 146* Baker Mount, The Ascent of —. G. Metcalfe, 783*; Round About —. H. Landes, 783*

Baker, O. E.: see Whitson, A. R.

BALBOA, VASCO NUNEZ DE: Discoverer of the Pacific Ocean, 757; Vasco Nuñez de Balboa, 1513-1913. C. R. Markham, 715* ¶ Map: Map to illustrate Discovery of the Pacific Ocean, n., 797

Balch, E. S., 697 Baldwin, A. L., 707*

BALEARIC ISLANDS: ¶ Bau und Boden der Balearischen Inseln: Beiträge zur Landeskunde der Inselgruppe. H. Praesent, 315*; Exploration et flore souterraine des cavernes de Catalogne et des Iles Baléares. J. Maheu, 233*

BALKAN PENINSULA: ¶Aufund Niedergang des türkischen Herrschaftsgebiets in Europa. N. Jorga, 314*; Alte Völker der Bal-kanhalbinsel. H. Treidler, 949*; Balkan Peninsula. L. Dominian, 576; Balkan Peninsula. D. G. Hogarth, 632*; Campaign in Thrace. 1912. P. Howell, n., 942; Ethnographische Abgrenzung der Völker auf der Balkanhalbinder — J. Cvijić, 632*; Military Geography of the — L. W. Lyde and A. F. Mockler-Ferryman and A. F. Mockler-Ferryman (Black's Milit. Geogr.) rev., 696; New Boundaries of the Balkan States and Their Significance. W. L. G. Joerg, 819; Notes on the War in —. J. N. Allison, 72*; Aux Pays Balkaniques: Monténégro, Serbie, Bulgarie. A. Muzet, 865; Statut International des létroits" (Dardanelles, Bos-"Détroits"

phore, Mer Noir). P. Macey, n., 549 Maps. ¶Battle of Kirk Kilisse, 23-24 Oct., 1912, n., 638; in Thrace, n., 638; n., Ethnogr. Karte der Balkanhalbin-sel. J. Cvijié, n., 479; Ethnogr. Übersicht des Europäischen Orients. H. Kiepert, n., 319; Fighting at Chatalja Line on Nov. 17-23, n., 638; International Map. North K 35: Istambul, n., 160; Makedonien, Altserbien und Albanien. K. Peucker, n., 320; Map showing distribution and mingling of races in west of Turkey in Europe, n., 638; Siege of Adrianople, n., 638; Sketch Map showing General Course of Operations in the Balkan War, n., 638; Staaten der Balkanhalbinsel bei Ausbruch des Krieges 1912, n., 399; Staaten der - nach den Grenzbestimmungen des Berliner Vertrages vom 13. Juli 1878 und der Berliner Conferenz vom 24. Juni 1880, n., 399; Staaten der — nach den Grenzbestimmungen des Friedens von S. Stefano, 3. März, 1878, n., 399; Serbischmontenegrinisch-türkischer Kriegsschauplatz, n., 79

Ball, J., 780
Ball, L. C., 553*
Ball, Sir Robert S., 145
Ball, S. H. and Shaler, M. K., 787* Balls, W. L., 384 Balthaser, F. W.: see Wagner, A. E.

BALTIC SEA: ¶Bemerkungen über die Verkehrsgeographie im allgemeinen und die der Ostsee im besonderen. G. Braun, 232*; Grossstädte an der Ostsee. S. De Geer, 232*; Hydrographie der Ost-see. R. Witting, 232*; Ostsee-handel in früheren Zeiten. C. Reuter, 232*; Wasserhaushalt der Ostsee. H. Spethmann, 232*; Tidvattnen. 1: Österrsjön och Finska Viken. R. Witting. [tidal phe-Viken. R. Witting. [tidal phenomena in the Baltic Sea], n., 66; Untersuchungen über die Eisverhältnisse im Finnischen Meerbusen und im nördlichen Teile der Ostsee. 1: Beobachtungen . . . 1897-1902. H. Karsten, 72*; Zuzammenfassende Übersicht der Hydrographie des Bottnischen und Finnischen Meer-busens und der nördlichen Ostsee . . . bis Ende 1910. R. Witting, 153*

Baltimore, Consular District of -Report for 1912 on Trade, 784* Baltzer, 469*

Baluchistan: | Balutschistan läufige Ergebnisse einer Reise im Jahre 1911). E. Zugmayer, 790*

Bancroft, H. H., 224, 863
Banks, E. J., 694
Banks, Sir Joseph, The Life of —
President of R. S., with Notices, etc. E. Smith, rev., 546

Bannink, J. C. A., 631* Banse, E., 75*, 393*, 474*, 552* Baratta, M., 633*

Barbeau, C. M., 945*

Barber, W., 229*

Barcelona, Report for 1912 on Trade and Commerce of Consular District

and Comme, of —, 953* Bardon, H., 70*, 469* Sea: ¶Barents-Zee. Tets over zeezand en grondstroomingen. A. L. W. E. Van Der Veen, 473*

Barisal Guns: ¶On the Occurrence of Explosive or Booming Noises in Central Australia. J. B. Cleland, 74*

Barr, G. W., 944* Barrell, J., 67*

Barrett, J., 294 Barrit, G., 627*; see also Vatín, J. Barron et Russell, Carte des bassins des rivières, n., 159

Barrows, —. Personal, 527 Barrows, H. H., 625*; see also Salisbury, R. D. Barth, C. G., 943*

Barthold, W., 777 Bartholomew, J. G., 155, 720, 880; — Clarke, W. E., and Grimshaw, P. H., 43; Distribution géographique des animaux d'après l'Atlas de Bartholomew. L. Germain, 555* Bartlett, C. H., 871*

Bartlett, E. C., 624

Barton, E. W. E. and Reid, R. L., 877

Baschin, O., 74*, 75*
Basel: ¶Genauigkeitsuntersuchungen über die Bestimmung der Intensität Schwerkraft durch relative Pendelmessungen . . . und auf der Referenzstation zu Basel. J. Bürgin, 554*

¶Géographie du Basses-Pyrénées: Département des —. P. Joanne, n., 144

Bastin, E. S., 310*

Basuto, History of the -, Ancient and Modern. D. F. Ellenberger and J. C. Macgregor, rev., 773

Batavia, Dagh-Register gehouden int Casteel - vant passerende daer ter plaetse als over geheel Nederlandts India Anno 1680. F. de Haan, 948*

Bates, E. S., 223 Bathie, P. de la, 313*

Battré, E. 547

Batum: @Report for 1912 on Trade of Consular District of Batoum, 953*

Batwa: Die Batwa-Zwerge in Ruanda, 312*

Bauer, L. A., 234*, 625*, 872*; — and Peters, W. J., 74*, 553*; Personal, 693, 856

BAVARIA: ¶Einige Beiträge zur Eisenbahngeographie Bayerns, K. Kimmel, 793*; Frühling im bayer-ischen Alpengebiet. K. Maisch, 793*; Jahresb. der Kgl. Bayer. Post- und Telegraphenverwaltung für 1911, 73*; Niederschlagsverhält-nisse zwischen Bodensee und Donau. J. Götz, 950* ¶ Maps: Karte der Eisenbahnfernen Bayerns. K. Kimmel, n., 718; Personenzughäufigkeitskarte . . . 1910-11. K. Kimmel, n., 719 Bayer, H. G., 782

Beale, Edward Fitzgerald. A Pioneer in the Path of Empire. 1822-1903. S. Bonsal, n., 65

Beaman, W. M., McLaughlin, F. and Butler, B. S., 795

Beard, C. A., 770 Beaugé, C., 70* Beauregard, P. Crépin de, 782

Beauvais, G., 865* Beck, —. Personal, 620

Beck'r, B., 469* Becker, W., 227 Beeler, H. C., 478

Béguinot, A. and Vaccari, A., 313* Behner, H.: see Lossberg, O. v.

Behrmann, H., 865*

Behrmann, W., 559, 950*; see also Moisel, M. Bel, R., 948*

BELGIUM: ¶L'évolution du système fluvial de la moyenne et de la Basse-Belgique. C. Van de Wiele, 471*; Farm Schools in France, Germany and Belgium, 471* q Map: The 1:100,000 map of Belgium in 26 Sheets, 443* Colonies: Discussion de la question du régime monétaire dans les colonies. M. de Laveleye, 154*

Belloc, H., 865 Bemis, M., 67*

Ben Armine, Plant Ecology of —. C. B. Crampton, 793*

Benadir, Victoria Nyanza e -. E. A.

d'Albertis, n., 780 Benares: ¶Ein kultur-geographisches Charakterbild. L. Mecking, 390*

Bencke, A., 786* Bennett, G. V., 625* Bent, A. H., 866*

Bentinck, A., 396, 447, 631* Benton, P. A., 57

Bergen District, Norway, On Some Valleys, Terraces and Moraines in the —. H. W. Moneton, 714*

Bergt, W., 947*
Berkeley, Cal., Rainfall of —. W. G.
Reed, 626*, 761

Berks Co., Penn., The Story of —. A. E. Wagner, F. W. Balthaser and D. K. Hoch, n., 863

ERLIN: ¶ Berlin and its Environs. Handbook for Travellers.
K. Baedeker, n., 146; New Navi-BERLIN: gable Route Connecting Stettin. P. Arbos, 928; Das Museum und Institut für Meereskunde in Berlin. A. Penck, 473*; University of Berlin. Association of Students of Geography at the -. . E. Wunderlich, 616

Bermard, G., 787

Bernhardt, G. de, 782 Bernuda: ¶L'évolution géologique des Bermudes. E. Fleury, 148*
Bern, Canton: ¶Landschaften des

Bernischen Mittellandes. F. Nussbaum, 315*
Bernard, A., 296
Bernard, C., 151*
Berry, E. W., 866*
Berry, H. M.: see Pratt, J. H.

Berthaut, La topologia secondo una recente opera del generale —. L. F. de Magistris, 555*

Berthelot, A., 70* Berthold, H., 788* Bertolani, S., 389*

Béryls, Un voyage au pays des -A. Lacroix, 230*

Beskids, West: Glacial Landscapes of the West Beskids [in German,]. L. v. Sawicki, 713*

Bews, J. W., 789* Biasutti, R., 633*, 634*

Biblical Atlas: Atlas der Bijbelsche Aardrijksen Oudhidkunde. C. Goote and K. Willemaker, n., 720

BIBLIOGRAPHIES. See Bibliography of Catalogues: Mythical-Heroic Sagas. H. Hermannsson, 73*; - of Maine Geology, 944*; - of North American Geology for 1911. J. M. Nickles, 228*; List of North American Land Mammals in the U. S. National Museum, 1911. G. S. Miller, Jr., 228*; Bibl. of North Carolina Geology, Mineralogy and Geography, with List of Maps. F. B. Laney and K. H. Wood, 147*; Bibliographie. Livres et Ouvrages en Fascicules (Belgian Congo), 149*; Bibl. of Wisconsin, 918

Biermann, C., 794*

Bigourdan, G. See Delambre, J. B. J. Bihar: ¶Le Massif central français et le massif de Bihar. L. Sawicki, 72#

Bingerville, capitale de la Côte d'Ivoire (Un béguinage adminis-Côte tratif). G. Joseph, 469*

Bingham, H., 533, 709*, 786*

Binn, M., 625*

Bionomies: ¶ The Future of the Race:
Study in present-day aspects of
social bionomics. J. Glaister, 394* Birds, Economic Value of -. F. J. Wenninger, 795*; Fifty Common

Birds on Farm and Orchard, 875* Birge, J. C., 454 Birkeli, E., 704* Birrell, J. H., 145

Bishop, A. L., Personal, 693

Bishop, F., 623

BISMARCK ARCHIPELAGO: ¶Ahnenfiguren aus Neu-Mecklen-burg. G. Antze, 553*; Ein anthro-polog. Querschnitt im Südosten von Neu-Mecklenburg. O. Schlaginhaufen, 152*; Die Gazelle-Halbin-sel. W. Wernicke, 553*; Ein Sammelaufenthalt in Neu-Lauenburg. C. Ribbe, 152*; Untersuchungen über eine melanesische Wanderstrasse: Wiss. Ergebnisse einer amtlichen Forschungsreise im Jahre 1908, III. G. Friederici, rev., 859; Über den Wert der Hochländer von Neumecklenburg. K. Sapper, 872*

Bismaya, or the Lost City of Adab. Story of Exploration among the Ruins of the Oldest of the Buried Cities of Babylonia. E. J. Banks, rev., 694

Biyi, E., 711*

Black Forest: ¶ Entstehung des am Kaltenbronn: Breitlohmisses Beitrag zur Erforschung der Moorbildungen des nördlichen Schwarzwaldes. Hausrath, 793*

Black and Mohawk Valleys, Glacial Waters in the —. H. L. Fairchild,

Black Mountain, From the -Waziristan. Being Account of Border Countries . . . tribes controlled by Northwest Frontier Province, etc. H. C. Wylly, n., 308

Black Sea: ¶Eis und Schiffahrt der fünf Winter von 1907/08 1911/12 in den Häfen des Schwarzen Meeres. G. Reinicke, 391*; Elenco dei fari, fanali, segnali marittimi, etc. sulle coste del Mar Nero, mar d'Azof, etc., 873*

Blackman, A. M., 56 Blackwelder, E., 231*; Personal, 528 Blake, W. B.: see Crèvecoeur, J. H. St. John de

Blanchard, R., 872*

Blanckenhorn, Max -'s Totes Meer-Werk, 948⁴

Blázquez, A., 233*, 875* Blichfeldt, E. H. 863

Block Is. Sound and Approaches, Chart, 75*

Bloemfontein, Die zweite Union Dry Farming Congress in — Okt., 1912,

Blomquist, E. and Renqvist, H., 952* Bloomingdale, A Descriptive Narrative of Old — (The New York of Yesterday). H. S. Mott, rev., 291

Blount, J. H., 375 Blume, E., 304 Blumer, J. C., 784* Boalich, E. S., 228*

Bodenbender, G., 627*, 873

Bodensee: see Constance Lake.

Bodman, G., 60 Boerschmann, E., 231*

Boggild, O. B., see Bonnesen, E. P. BOHEMIA: ¶Jahresbericht der k. böhmischen Gesellschaft der Wiss. für 1912, 713*; Terrassen der Moldau-Elbe zwischen Prag und dem Böhmischen Mittelgebirge. R. Engelmann, 553*

Böhm, A. v., 555*, 872* Bois, D.: see Capus, G.

Boissier, P., 783

Bolina, J. la, (A. V. Vecchi), 145
BOLIVIA: ¶Across the Andes. . . among the mountains of Bolivia and the jungles of the Upper Amazon. C. J. Post, n_* , 780; Bolivische Kordilleren. T. Herzog, 786*; Études anthropogéogr. dans la Bolivie orientale. E. Nordenskiöld, 786*; La famille linguis-tique Capakura. G. de Créquitique Capakura. G. de Créqui-Montfort et P. Rivet, n., 623; Frontier Work on the Bolivia-Brazil Boundary, 1911-12. H. A. Edwards, 946*; Information About —, 468*; Linguistique Bol.: Le groupe Otukè. G. de Créqui-Montfort et P. Rivet, 149*; Report for 1912 on the Trade and Finances, 786* ¶ Maps: Die Bolivische Ostkordillere: Westlicher Teil. T. Herzog, n., 717; Map of Region between Tacna and the Confluence of Rivers Abuna and Rapirran. H. A. E. Edwards, n., 876; Mapa telegrafico de Bolivia. L. P. Ampuero and C. Aramayo del Rio, n., 156; Reisen in den Ostkordilleren von Bolivien. maps. T. Herzog, n., 637

Bolle, A.: see Adam, A.
Bolster, R. H.: see Babb, C. C., Covert, C. C. and McGlashan, H. D. Bombay, Thirty-nine You City. Rev. Elwin, 942* Thirty-nine Years in

Bongrain, M., 959

Bonnard, P., 787*
Bonnesen, E. P., Boggild, O. B. and Ravn, J. P. J., 705
Bonney, T. G., 227, 538, 702
Bonnifield Region, Alaska. S. B.

Capps, 625*

Bonsal, S., 65, 209

Bontoe Igorot, First Grammar of the Language spoken by the -. C. W. Seidenadel, rev., 777

Bony, L., 948* Book Reviews: see Reviews.

Bordeaux, Report for 1912 on Trade and Commerce of Consular District of —, 792* Bordiga, O., 951* Borel, H. J. H., 948* Borghesani, G. A. R., 788*

Borneo, Contributions to the Mineralogy of —. G. P. Chernik, 631* Borsiczky, O. V., 705* Borzi, A., 313*

BOSNIA. See also Herzegovina:

¶Eine Reise in das westliche Bosnia. F. Toula, 471*; Fahrten in den Reichslanden. Bilder und Skizzen aus Bosnien und der Hercegovina. R. Michel and M. Bucherer, n., 308; Report for 1912 on the Trade, etc. of Bosnia-Herzegovina, 792* Rhine Gorge and

Bosphorus, The Rhine Gorthe —. W. M. Davis, 391*
Bossi, A., 151*

Bostwick, A. E., 769 Bosworth, G. F., 465 Botany: ¶Kolonialbotanik. F. Tob-

ler, n., 943* Botany Bay, Beach Formations at -.

E. C. Andrews, 791° Bothnia, Gulf of: ¶Zusammenfas-sende Übersicht der Hydrographie des Bottnischen und Finnischen Meerbusens, usw. R. Witting, 153*

Botte, L., 630* Bouin, L'île de — à travers les âges, d'après la géologie, la cartographie et l'histoire. A. Pawlowski, 73*

Boulger, D. C., 781

BOUNDARIES: Deutsch-englisches Abkommen über die Führung der Grenze zwischen Kamerun und Nigerien vom Yola bis zur Küste und über die Schiffahrt auf dem Crossflusse, 787*; Frontière Anglo-Congolaise, 389*; Frontier Work on the Brazil-Bolivia Boundary, 1911-12. H. A. Edwards, 946*; Geologic Investigations along the Canada-Alaska Boundary. A. G. Maddren, 387*; Zur Karte des Deutschportugiesischen grenzgebiets in Südwestafrika, 149*; Monumentación de bancos en el Rio Bravo del Norte (o Rio Grande) ejecutado conforme a la convención de bancos del 20 de Marzo de 1905, n., 703; Neu-Südkamerun und das französische Nachbargebiet. M. Moisel 868*; New Boundaries of the Balkan States and Their Significance. W. L. G. Joerg, 819 Maps of Boundaries: Karte des Deutsch-Portugiesischen Grenzgebiets in Südwestafrika. P. Sprigade, H. Nobiling, and W. Rux., n., 718; Südostecke von Kaiser-Wilhelmsland. M. Moisel and H. Ketzer, n., 638; Survey of Anglo-German-Belgian Boundary Region by the British Commission under the Command of

E. M. Jack, n., 877
Bourbon von Parma, S. von and
Musil, A., 711*

Bourdarie, —, 869* Bowen, C. F.: see Calvert, W. R. Bowie, W., 54, 62, 351, 614, 701; Personal, 620

Bowman, I., 13, 149*, 275; -'s Expedition to the Central Andes, 348; First Report of —'s Expedition, 750; Personal, 856

Bownocker, A. J.: see Stauffer, C. R. Boyer, L., 70*

Bradley-Birt, F. B., 864* Branner, J. C., 311*, 786*; Personal,

Brannon, M. A., 944*

Braun, G., 232*; see also Davis, W. M.

Brawley, B. G., 931

BRAZIL: ¶Zur Affinität der Tapúya-Indianer des "Theatrum Rerum Naturalium Brasiliae." R. R. Schuller, 627*; Algunas Indica-ciones sobre los Uti-Krag del Rio Doce. W. Knoche, 786*; Annuario publicado pelo Observatorio Na-cional do Rio de Janeiro para o anna de 1913, 388*; Boletim do Observat. Nac., 1909, 229*; Brasilianische Kaffevalorisation. M. Schanz, 786*; Brazil in 1911. J. General C. Oakenfull, rev., 55; —. General Descriptive Data, June 1912, 551*; Le Brésil et les étrangers. O. Lima, 468*; Le — méridional. Étude économique. C. M. Delgado de Carvalho, rev., 295; Commerce, 1912, 551*; Growth of Commerce, 551*; Earthquakes in -, J. C. Branner, 786*; Zu den Fällen des Iguazú. G. E. Goedhart, 868*; Frontier Work on the Bolivia-Brazil Boundary 1911-12. H. A. Ed-wards, 946*; Geographia, geologia, supprimento d'agua, transportes e açudagem nos estados orientaes do Norte do Brazil. R. Crandall, n,. 623; Report of a Journey in the South of —, 468*; The Sea and the Jungle. H. M. Tomlinson, rev., 295 Maps: ¶General Map of Brazil compiled by Ministry of Industry and Public Works, etc., 285*; Lotungen vor der Küste von Brasilien zwischen 27° und 31° S.-Br. H. Roehl, n., 639; Mappa Geol. reduzido dos Estados do Ceará, Parahyba e R. Gr. do Norte. R. Crandall and H. E. Williams, n., 238; Region between Tacna and the Confluence of Abuna and Rapirran. H. A. Edwards, n., 876; Re-levés hydrographiques dans le bassin du Xingú et du Tapajoz, n.,

Brazzaville, Chemin de fer de l'océan à —. J. Mornet, 150*

Bread: ¶The Story of a Loaf of Bread. T. B. Wood, 706* Bremen: ¶Jahrbuch für bremische

Statistik, 1912: Zur allegemeinen Statistik, 1907-11, 392*; Zur Statistik des Schiffs- und Warenverkehrs,

Brennecke, W., 234*, 472*, 560

Brenner Pass, Tirol from Kufstein to

Riva. C. L. Clare, rev., 696 Brest, Report for 1912 on Trade, Commerce, etc. of Consular District of -, 793*

Bretagne, Les minerais de Normandie et de -. P. Lemoine, 950* ¶Map: Carte des gisements de minerai en fer en Normandie, Anjou et Bretagne, 958*

Bretz, -, Personal, 527 Bridgman, H. L., Personal, 196, 529

Brieux, -, 464*

Briffaut, C., 781 Brigham, A. P., 310*, 529

Brisbane (Queensland), 949*

Brissa, J., 704

Britain: see under Great Britain.

BRITISH COLUMBIA: ¶— Timber Lands, 867*; Cambrian Formations of the Robson Peak District. C. D. Walcott, 945*; Exploration de la rivière Bulkley. A. G. Morice, 626*; Wilderness of North Pacific Coast Islands. Hunter's Experience while searching for Wapiti, etc. C. Sheldon, rev., 54 Maps: ¶ British Columbia. G. G. Aitken, n., 876; Chaînes Canadienne des Rocheuses d'après les levés les plus récents, n., 156; Map of the Province of British Columbia, n., 317; Sectional Map of Western Canada, n., 557

British East Africa: See under Africa.

BRITISH EMPIRE: ¶ The British Empire with Its World Setting. J. B. Reynolds, n., 866; British Empire. (Descriptive Geography from Original Sources). Selected by L. Jowitt, n., 386; Cotton Growing in the, 954*; Products of the Empire. V. — Wheat. J. W. Grice, 714*; Wool. J. C. Reid, 74*
Maps: ¶Black's Diagrammatic Atlas of the British Empire, n., 720 see under United British Isles:

Kingdom, British South Africa Co., Directors' Report and Accounts . . . 1912, 390

Brittain, I. G., 549*

Brittany: ¶ Développement des côtes bretonnes et leur étude morphologique. E. de Martonne, 472 Brockmann-Jerosch, H., and Rübel, E.,

Broek, A. J. P. v. d., 791*

Brokaw,—, Personal, 527 Broken Hill Area, S. Australia, Geological Investigations in the -Mawson, 871

Bronx, The Story of the -, from ... 1639 to the Present Day. S. Jenkins, rev., 208

Brooks, A. H., 387*, 707*; — and Others, 387*; Personal, 197, 442,

Brooks, C. F., 707* Brooks, E. C., 543 Brouckner, Isaac, 400

Brown, P., 464
Brown, R. M., 500, Personal, 529
Brown, R. N. R., 74*
Browne, G. W., 536
Bruce, D., Harver, D. and Others,
230*

Bruce, W. S., 74*, 155*

Bruck, W. F., 230*, 552* Brückner, E., 153*, 314* Brulard, A., 947*

Brulard, A., 947*
Brunhes, J., 394*, 698, 875*
Brusse, M. J., 226*
Bryan, W. A.: see Dill, H. R.
Bryant, H. G., 229*; 311*, 549*; two
maps showing —'s Expedition in
Labrador, 1912. R.W. Porter, n., 557

Bryce, G., 293 Bryce, J., 707*

Buchanan, J. Y., 939
Bucharer, M.: see Michel, R.
Buckley, Ernest Robertson, Memoir
of — H. A. Buchler, 715*

Buehler, H. A., 715*

Buen, R. de, 234* Buenos Aires, Population of -, 762; Ship Canal at —, 48 Buhrer, A., 789*

BULGARIA: ¶Agriculture in Bulgaria, 949*; Bulgarie. A. Muzet, n., 865; La lutte contre la malaria Petroff, 632* Maps: ¶Das Bulgarische Reich in seinem grössten Umfang um das Jahr 1000, n., 399; Königreich Bulgarien und die zentralen Balkanländer zwischen Adria u. Pontus. Auf Grundlage der Scheda'schen Karte, II. Ausgabe. K. Peucker, III. Erweiterte Ausgabe, 1913, n., 560; Topographic Sheets, Bulgarian War Dept., 443* Bulkley, R.: Exploration de la rivière

Bulkley (Colombie Britannique).
A. G. Morice, 626*

Burchard, E. F., 310*, 466* Bürgin, J., 554* Burgt, J. M. M., van der, 798; — and Schmidt, C., 238

Burlingame, Anson, - and the First Chinese Mission to Foreign Powers. F. W. Williams, rev., 535 BURMA: ¶Burma. C. M. Webb.

(Census of India, 1911, Vol. IX), n., 704; Une Colonie Modèle. Birmanie sous le régime britan-nique. J. Dautremer, rev., 374; Burma Gazetteer. Mergui District, Vol. A. Comp. by G. P. Andrews, n., 547; Untoured Burma. C. H. Bartlett, 871*

Burrard, S. G., 390*; — and H. H. Hayden, 71*; Burrard's Theory of the Himalayas, and on the Rigidity of the Earth. O. Fisher, 873*

Bury, H., 953* Bushell, N. K., 778

Bushmen: ¶Stellung der Buschmannrasse unter den übrigen Menschenrassen. R. Pöch, 233*

Busu, L., 554*
Butler, B. S., 466*, 944*; see also
Beaman, W. M.
Butters, F. K.: see Clements, F. E. Buttram, F., 310* Buttrick, P. L., 67* Bygott, J., 468

Cabaton, A., 711*, 790* Cabell, N. F., A List of Manuscripts Relating to the History of Agriculture in Virginia, collected by —. E. G. Swem, 388*

Cables: see under Telegraphy. Cabot's Large World Map of 1544, Photographic Reproduction of n., 443

Welternte und Weltver-Cacao:

brauch von Kakao, 155*
Caddick, D. W., 464*
Caen, Map: ¶Plan schématique du . port de Caen et du canal maritime, 159*

Caico, L., 951* Cairo: ¶Cairo of To-Day. A Practical Guide to — and the Nile. E. A. Reynolds-Ball, n., 308; Meteorological Factors of Mortality in Cairo and Alexandria. J. I. Craig, 389* Caix, R. de, 313*, 710*, 788*

Calais, Report for 1912 on Trade of the Consular District of -, 950*

Calciati, C., 625*
Calcutta, The port of —. G. L. Collie, 470*

CALIFORNIA: ¶California Coast Horseback Ride from Mexico to Oregon. J. S. Chase, rev., 932; Dwarf Forests of S. -. Bowman, 13; Present Condition of Big Trees. G. B. Sudworth, 147*; Field Days in -. B. Torrey, n., 769; Population. Composition and Characteristics, Census 1910, 467*; Russian River: A Characteristic Stream of California Coast Ranges. R. S. Holway, 625*; Statistics of Agriculture, Census 1910, 228*; Walnut Culture in —: Walnut Blight. R. E. Smith, C. O. Smith and H. J. Ramsey, 228°; Texas-Cal. Are of Primary Triangulation. W. Bowie, rev., 54; Cal. Weekington A. F. Cal. Washington Are of Primary Tri-angulation. A. L. Baldwin, 707* University of California, Summer Courses in Geography, 619 ¶ Earthquakes: Central Cal. Earthquake of July 1, 1911. E. C. Templeton, 708*; On the Region of Origin of Central — Earthquake

of July, Aug. and Sept., 1911. H. O. Wood, 708* ¶ Historical: Anza Expedition of 1775-76. Diary of Pedro Font. Edited by F. J. Teggart, 626*; Gen. Stephen W. Kearny and the Conquest of Cal. (1846-7). V. M. Porter, 147*; Myths and Leggard of Myths and Legends of - and the Old Southwest. Compiled and edited by K. B. Judson, rev., 455; Missions and Missionaries of -Vol. 2. Upper Cal. Fr. Z. Engel-hardt, rev., 454 ¶ Minerals: Notes on Gold Lodes of Carrville District. D. F. Macdonald, 68*; Mineral Production for 1911. E. S. Boalich, 228*; Petroleum in S. Cal., 1913. P. W. Prutzman, n., 547 ¶Water Resources: Gazetteer of Surface Waters of California. Part 3: Pacific Coast and Great Basin Streams. B. D. Wood, 467*; Intensive Study of Water Resources of Part of Owens Valley.
C. H. Lee, 147*; Surface Water Supply of the U. S. 1911: Pacific Coast in California. H. D. Mc-Glashan and R. H. Bolster, 626*; Water Resources, Part 1: Stream Measurements in Sacramento R. Basin. H. D. McGlashan and F. F. Henshaw, 68*; Part 3: Stream Measurements in the Great Basin, and Pacific Coast River Basins. H. D. McGlashan and H. J. Dean, 467* ¶Maps: U. S. Geol. Surv. topogr. sheets: Bishop Quad., 955*, Chico Landing Quad., n., 475; Durham Quad., n., 475, Lida Quad., n., 955; Marysville Buttes Quad., n., 475, Palermo Quad., n., 475, Pen-nington Quad., n., 475, Prairie Creek Quad., n., 316, and Salinas Quad., n., 475*; General Geol. and Topogr. Map and Sections of the Eagle Mountain Iron-Ore District. E. C. Harder and J. L. Rich, 716*; Map Showing Comparative Area of California with Other States, n., 477; Map of Southern Portion of -Showing Saline Deposits and Desert Sections of the State with Location of Springs and Wells, n., 558; Relief and Mineral Map of — Showing Topography and Approximate Locations of all the Principal Mineral Deposits, etc., n., 477
California, Lower: ¶Informe sobre

una excursion a la Baja California.

G. Engerrand, 627*
Calkins, F. C., Macdonald, D. F., and
Others, 795*; see also Emmons, W. H.

Callone Beaufaiet, A. de, 70* Calvert, W. R., Bowen, C. F. and Others, 67*

Cambrian Fauna, Relation between of Scotland and North America. B. N. Peach, 68*

Camena d'Almeida, P., 386 Cameroons, The: see Kamerun. Campagne, A., 465
Campbell, D. H., 148*
Campbell, M. R.: see Ashley, G. H.
Campbell, W., 293
Campolieti, N. M., 145

CANADA: ¶Annexation, Preferential Trade and Reciprocity. C. D. Allin and G. M. Jones, rev., 294; Canada: The Land of Opportunity, 229*; — and Newfoundland. A. J. Sargent, n., 863; —'s Next Transcontinental Railroad, 199; Railway Development in —. J. Mal-lett, 229*; — Year Book 1911, n., 384; Catalogue of Maps, Plans and Charts in the Map Room of the Dominion Archives. H. R. Holm-den, 943*; Discovery of Wild Sheep by Duncan McGillivray in — in 1800. J. A. Allen, 549*; Histoire du Canada. F.-X. Garneau. Introduction et des Appendices par H. Garneau, rev., 932; Landslides in —, 47; Meteorological Service, 1911, 155*; Widening the Meteorological Service, 688; Shall I go to Canada? Land of Opportunity and Hope. H. H. Fyfe, 779*; Ten Thousand Miles through Canada, Natural Resources, Industries, etc. J. Adams, n., 307

¶Agriculture & Industries: An Agricultural Tour in Canada. Barber, 229*; Harvest Results for 1912, 311*; Dairying and Fruit Growing in -. J. A. Ruddick, 549*; Economic Minerals and Mining Industries of Canada, 945*; Summary dustries of Canada, 949°; Summary Report of Mines Branch, Dept. of Mines for year ending Dec. 31, 1911, 229*; La forêt. Conferênce . . . 1903. B. E. Fernow, 945*; Lumbering Industry in —. H. A. Honeyman, 549*; Paper Mills and Forestry in —. E. Wilson, 148*; ¶ Exploration and Surveying: Alpine Club of Canada's Expedition to Jasper Park, Yellowhead Pass and Mount Robson Region, 1911. A. O. Wheeler, 549*; Exploration in the Rocky Mts. North of the Yellowhead Pass. J. N. Collie, 867*; Geologic Investigations along the Canada-Alaska Boundary. A. G. Maddren, 387*; Hydrographic

Surveying in —, 368; New Rivers of the North. H. Footner, n., 384; H. V. Radford in Northern Canada, 134; The Fate of Radford and Street, 924; Old Indian Trails. M. T. S. Schaffer, rev., 53; Trails, Trappers and Tender-Feet in the New Empire of Western Can-ada. S. Washburn, rev., 933 Washburn, rev., Geography & Geogr. Nomenclature: Addenda to Canadian Toponomy, 48; Federal Bureau of Geography for Canada, 148*; Geographic Board of Canada. Decisions: Feb.-April, 1913, 627*; May-June, 1913, 867*; 11th Report of — for Year ending June 30, 1912, 550*; Geographical Influence in Location of Leading Canadian Cities. I. G. Brittain, 549*; Geography by Grades. 6A: Canada, Newfoundland, etc. H. B. Niver and E. D. Farrell, rev., 220 ¶ Population and Race Problems: Le Can-Les deux races. Problèmes politiques contemporains. A. Siegfried, rev., 294; Les Français du Canada. Lieut.-Col. Picard, n., 464; Immigration, 135; Immigration. Facts and Figures, 945*; Indian Tribes of Canada. C. Barbeau, 945*; Handbook of Indians of Canada, 709*; Scotsman in —, Vol. I: Eastern Canada, Including Nova Scotia, etc. Campbell, rev., 293, Vol. II: Western Canada, including Manitoba, etc. G. Bryce, rev., 293*; The Real Canadian. J. A. T. Lloyd, rev., 622 ¶ Maps of Canada: Chaîne Canadienne des Rocheuses, n., 156; Orographical Reduced Survey Map of the U. S. and Canada, J. G. of the U.S. and Canada. Bartholomew, n., 155; Railway Map. Compiled under Direction of J. E. Chalifour, n., 796; the inch-to-three-miles Sectional Map of Western Canada, 443*; n., 557; the inch-to-a-mile Topographic Map publ. by Dept. of Militia & Defence, 443*, n., 236; Sketch Map to Illustrate paper on the Arctic Islands and their Eskimo inhabitants by V. Stefansson, n.,

CANARY ISLANDS: Crociera . del Corsaro alle Isole Madera e Canarie. E. A. d'Albertis, rev., 213; Primeros pobladores de Canarias. M. de Ossuna, 628*; Report for 1912 on the Trade and Commerce of the —, 788* Canberra, Physiography of the Proposed Federal Territory at —. G. Taylor, 553*

Canestrelli, G., 633* Canivey, J., 711* Cannon, W. A., 481

Canton, La vie fluviale dans la région de —, 948* Cantrill, T. C.: see Strahan, A.

Capakura, La famille linguistique. -. G. de Créqui-Montford et P. Rivet,

n., 623 CAPE OF GOOD HOPE, PRO-VINCE OF THE: ¶Investiga-tions relating to the Yield of Catchment Area in Cape Colony. E. C. Bartlett, n., 624; Old Cape Colony.
P. E. Lewin, 870*; 16th Annual
Report of Geological Commission
1911, 870*

Map: Intern. Map, 1911, 870* **¶ Map**: Intern. Map, South H-34: Kenhardt, n., 157

CAPE VERDE ISLANDS: ¶Cabo Verde. A. da Costa e Andrade, . 628*; Report for 1912 on Trade of the —, 947*; Die neuere Kartographie der Kapverdischen Inseln. W. Bergt, 947*

Capitan, —, 634* Caplain, L., 627* Capps, S. R., 625*, 866*

Capus, G., and Bois, D., 216 Caracas, Report for 1911-12 on Trade of the Consular District of -, 946*

Carboneri, G., 389*
Cardashian, V., 444*
Caribbean Sea, Islands of —. F. A.
Ober, 295; Map: National Geogr.
Mag. Map, n., 956
Carles, W. R., 711*
Carne, J. E., 465
Carneig, Institution: Magnetic

arnegie Institution: ¶ Magnetic Survey Work of Department of Terr. Magn. in 1912, 289; Magnetic Carnegie Surveys in the Sahara, 199

Carney, F., Personal, 528, 529 Carnier, K., 628* Carniola: ¶Beiträge zur Verkehrs-

geographie von Krain unter besonderer Berücksichtigung der Zu-

gänge. W. Kröhn, 154*
CARPATHIAN MTS.: ¶Chemins
de fer Kassa-Oderberg et la Haute-Tátra, 66*; Contribution à l'étude de la période glaciaire, dans les Karpates méridionales. E. de Martonne, 471*; Études glaciaires dans les Karpates. L. Sawicki, 154*; Recherches sur la période glaciaire dans les - méridionales. E. de Martonne, 471*; Vie pastorale et la transhumance dans les Karpates méridionales: leur importance géographique et historique. E. de Martonne, 471*

Carrier, —., 948* Carruthers, D., 559 Carsalade, de, 313*

Cartagena de Indias, Cedulario de las Provincias de Santa Marta y — (Siglo XVI), Tomo I. n., 941

Carter, E. E., 67* Carthaus, E., 795*

Cartographic Documents of Economic Geography. (new publ.), 853 CARTOGRAPHY. See also Maps: Agricultural Drafting. C. B. Howe, n., 943; Apuntes para la confección de un mapa geológico agronómico. G. Bodenbender, 873*; Bodenkartierung und geologisch-agronomische Karten. A. Koehn, n., 782; Cartografia elementare pratica. A. Dardano, 873*; Cartografia Coloniale dell' Istituto Geografico Militare. G. Cora, 873*; Kartenkunde: Die Projektionen; Der Karteninhalt. M. Groll., rev., 542; Kartographie und Kartogramm in Ausstellung und Museum. F. König, 234*; Kartograph. Aufnahmen und Geographische Ortsbestimmung auf Reisen. R. Hugershoff, 943*; Kartograph. Darstellung der Volksdichte. K. Closter-Halfen, 75*; Notes on History of Gotha —. M. K. Genthe, 33; Opusculos e Esparsos. Por 2° Visconde de Santarem, Vols. 1 and 2, n., 782; Plane-Table Methods as Adapted to Geologic Mapping. H. Wegemann, 873*; Stereographic Projection Tables. O. Klotz, n., 706; Werner-Bonne-Sanson Equal-Area Net as an Exercise for Schools. A. J. Potter, 393*; Trig-onometry and Stereographic Pro-jections. S. J. Brown, 943*; Le 400e anniversaire de la naissance de

954* Cartwright, Captain - and His Labrador Journal. Edited by C. W. Townsend, rev., 622

Gérard Mercator à la Société Royale de Géographie d'Anvers,

Carvalho, Delgado de: See Delgado de Carvalho.

Casablanca, Le port de -, 630* Casa Grande, Ariz. J. W. Fewkes, 707*

Cascade Range, Water Powers of the

—. Part 2. F. F. Henshaw and G. L. Parker, 466*

Castella, F. de, 871* Castelnau, P., 393*

Castiglione, A., 79 Castle, W. R., Jr., 696

Castro, J. J., 388*

See also Bibli-CATALOGUES. ographies: ¶Catalogo del pubbli-cazioni in vendita presso il R. Istituto Idrografico, 1913, 951*; Catalogue of Maps, Plans and Charts in the Map Room of the Dominion Archives. H. R. Holm-den, 943*; Catalogue of War Office Library, Part 3: Subject Index. F. J. Hudleston, n., 783; Collection of Catalogues . . . Shown under Auspices of Hudson-Fulton Celebration Comm., Describing Plants, Animals, Furniture, etc., of Historical Interest in Connection with the Hudson and Fulton Periods, n., 227; B. G. Teubner's Verlagskatalog auf dem Gebiete der Mathematik, Naturwissenschaften, Technik nebst Grenzwissenschaften, n.,

Catalonia: ¶ Exploration et flore souterraine des cavernes de Catalogne et des îles Baléares.

Maheu, 233*

Cattle: ¶Viehzucht in den Tropen und Subtropen. C. Schlettwein, 75*

CAUCASUS: ¶ Der Elbrus im Kaukasus. G. Merzbacher, 315*; État actuel des problèmes ethno-graphiques au Caucase. E. Taris, 392*; Morphologie du Caucase. R. Blanchard, 872*; A Tramp's Sketches. S. Graham, n., 537; Re-Sketches. S. Graham, n., 537; Report for 1912 on Trade of the Consular District of Batoum, 953* ¶ Map: Schneegrenzkarte des Kaukasus, n., 960 Cave, C. J. P., 62 Cave, G. H. See Smith, W. W.

Cave Man, The Art of the —. C. Wissler, 234*

CAVES. See also Speleology: ¶Exploration et flore souterraine des cavernes de Catalogne et des îles Baléares. J. Maheu, 233*; Über eine neuentdeckte Höhle bei Mährisch-Weisskirchen. R. Kowarzik. 713*; Motor Tour through principal Cavern Regions of S. W. Europe. H. F. Osborn, 394*; Wonders of the Great Mammoth Cave of Kentucky, containing historical sketches . . . with chapter on geology of cave formation. J. W. Turner, n., 384

Cavicchioni, A. C., 551*

Cayuga Indians: G. E. Taft, 467* Cayuga Notes.

Ceará: ¶Geographia, Geologia, supprimento d'agua . . . Ceará, Rio Grande do Norte, Parahyba. R. Crandall, n., 623 ¶Map: Mappa geologico reduzido dos Estados do -, Parahyba e R. Gr. do Norte. R. Crandall and H. E. Wiliams, n., 238

Cedar R. Drainage Basin. F. F. Hen-shaw and G. L. Parker, 466*

Cereceda, J. D., 712* Cessi, B., 227

Ceuta, Tetuán, Tánger y Breve De-scripcíon de la Ciudad de los Sultanes y Algunas Curiosidades Arabes. J. A. de Eguilaz, 941* eylon: ¶Report of Surveyor-Gen-eral for 1911-12, 871*

Ceylon:

Chaco: Skizzen vom paraguayischen Chako und von der englischen Mission unter den Lengua-Indianern. K. Carnier, 628*

CHAD LAKE: ¶Die Höhenla des Tschadsees. E. Hammer, 312 ¶Die Höhenlage Das deutsche Tschadseegebiet, Land und Leute. Mohn, 551*; La Route du Tchad. A. Terrier, 551*

CHAD TERRITORY: ¶Mise en valeur du territoire du Tchad. Le natron, le sel, le blé, 788*; Rétablissement des communications économiques entre le Sud-Tunisien et le bassin du Tchad. Bourdarie, 869*

Chailley-Bert, J., 309 Chalifour, J. E., 796 Chamberlain, A. F., 151*, 946* Chamberlin, R. T., Personal, 290 Chambion, A. M., 140*

Champion, A. M., 149*

Chanca Confederacy, The Great —.
An Attempt to Identify some of the Indian Nations that Formed It. S. A. Lafone Quevedo, 709*

Chaouïa, Renseignements géologiques sur la région —, 948*; Terres agri-coles de la Chaouïa. Moreau, 630* Chapin, T.: see Martin, G. C.

Chapman, H. H, 146*

Charcot, Dr. J. B., 959, Personal, 693

Charencey, Comte de, 310*

Charente-Inférieure, Géographie du Département de la —. P. Joanne,

Charlet, Capt., 150* Charlevoix, P. Pedro Xavier de, 65

Chase, J. S., 932 Chassigneux, E., 71*

Chatham Islands, Waterspouts at the

— F. A. D. Cox, 792*
Chau Ju-Kua: His Work on Chinese and Arab Trade in the 12th and 13th Centuries entitled Chu-fan-chi. Translated and annotated by F. Hirth and W. W. Rockhill, rev., 298 Chaux-de-Fonds, Description géologique des environs du Locle et de

la -, J. Favre, 233*

Checchi, M., 70*

Chefoo, Report for 1912 on the Trade of —, 790*

Cheltenham, Md., Results of Observations made at the U.S. Coast and Geod. Surv. Magn. Observ. at —.

D. L. Hazard, 944* Chernigov, Government: ¶ Basic Features of Tectonics of —, Kursk, etc. P. N. Chirvinskii, 952

Chernik, G. P., 631* Chesapeake Bay, Chart from Wolf Trap to Smith Point, n., 76 Chester, C. L.: see Hall, A. B.

Chester, C. L.: see Hall, A. B.
Chiana: ¶II Terreno fra le due
Chiane, i Vulsini, la Costa Tirrena
e L'Arno, E. Barbarich ** 782

e l'Arno. E. Barbarich, n., 782
CHICAGO: ¶Chicago. The Great
Industrial and Commercial Center
of the Mississippi Valley. G. E.
Plumbe, n., 225; Report for 1912
on the Trade of the Consular District of —, 784*; Wacker's Manualof the Plan of —. Municipal
Economy. W. D. Moody, n., 225;
Univ. of —. Geography in the Summer Session, 527

CHILE. ¶ Anuario Estadístico: 1910, Vols. 2 and 3, 149*; 1911-12. Agricultura, 946*; Año 1911, Movi-miento de Población, Industrias, 946*; Anuario Meteorologico de Chile, 1911, 709*; Deutsche Arbeit in Chile, 946*; Estadística Comercial, 1912, 946*; Chile. D. W. Caddick, 464*; Commerce for 1911, 551*; General Descriptive Data prepared in June, 1909, 551*; Minería y Metalurgia, 1911, An. Estad. Rep. de Chile, 230*; Nitrate Fields of —. W. S. Tower, 946*; Notes on Chile. W. H. Koebel, rev., 770; Provincie di Atacama, Anto fagasta, Tarapacà e Tacna. Monzani, 868*; Reports for 1912 on Trade of Various Consular Districts, 868*; Report for 1912 on Trade of the Consular Distict of Coquimbo, 709*; ¶ Maps: Sheets of the Map of Chile issued by the Oficina de Mensura de Tierras, 285*; Sheets of Argentine and Chilean Boundary issued by the Oficina de Limites, 285*

CHINA: ¶ Across China on Foot.
E. J. Dingle, rev., 298; Die alten
Seidenstrassen zwischen China und
Syrien, A. Herrmann, n., 225;
American School of Archæology in
—, 370; Archäol. Beobachtungen
von meinen Reisen in den nördlichen
Grenzgegenden Chinas... 1906-7.

J. G. Granö, rev., 858; China, the Country and its People: G. W. Browne, rev., 536; China and the Manchus. H. A. Giles, n., 66; China, Past and Present. R. Kalisch, 231*; The Chinese. J. S. Thomson, rev., 461; Chinese Architecture and its Relation to Chinese Culture. E. Boerschmann, 231*; Geologic History of - and its Influence upon the Chinese People. E. Blackwelder, 231*; Earthquakes in —, 49; Destructive Earthquakes in . N. F. Drake, 711*; The Flowery Republic. F. McCormick, rev., 936; German Colony in — L. Hamilton, 71*; List of Lighthouses, Light-Vessels, Buoys, and Beacons on the Coast and Rivers of China, 1913, 470*; Lolos of Kientchang. A. F. Legendre, 231*; The name China. B. Laufer, 390*; L'origine du nom de "Chine". P. Pelliot, 390*; Northern China: The Valley of Blue River. Madrolle's Guide Book, rev., 695; Report on the Working of Chinese Post Office for 1911, 314*; Le titre mongol du Yuan tch'so pi che. P. Pelliot, 631*; Transcription des sons chinois. R. Pontus, 151*; A travers la Chine de la mer à la frontière du Thibet, 71* ¶Commerce: For-ests and Timber Trade of the Chinese Empire. R. Rosenbluth, 231*; Reports on Trade and Commerce of Various Provinces, 789*; Returns of Trade and Trade Reports, 1911: Part 3, Vol. 1: Imports, 71*; Part 3, Vol. 2: Exports, 151*; Returns of Trade and Trade Reports 1912. Part 1. Abstract of Statistics and Report on Foreign Trade, 870*; Part 2: Port Trade Statistics and Reports. Vol. 1. Northern Ports, 948* ¶Exploration: Le dernier voyage de Joseph Martin à travers la Chine et l'Asie Central (1889-92). A. Allemand-Martin, 231*; Exploration dans la Chine occidentale et les marches tibétaines. A. F. Legendre, 231*; In Forbidden China. The d'Ollone Mission, 1906-1909. China-Tibet-Mongolia. Vicomte d'Ollone, rev., 143; Das Kartenwerk: Dr. A. Tafel, Reisen in China und Tibet. A. Penck, 870*; Positions determined by C. Clementi on His Journey from Kashgar to Hongkong, 314*; Richthofen's China. W. R. Carles, 711*; Le voyage à la Chine au 18e

China-Cont'd.

siècle: Journal de bord de M. Bouvet . . . 1755-66. H. Cordier, 870*; Wanderings of a Naturalist in Tibet and Western China. F. K. Ward, 870* ¶ Historical:
Bento de Goes, S. J.: Een Ondekkingsreiziger in Centraal-Azie (1603-1607.) C. Wessels, 151*; Chau Ju-Kua: His Work on the Chinese and Arab Trade in the 12th and 13th Centuries, entitled Chu-fan-chi. Transl. from the Chinese and annotated by F. Hirth and W. W. Rockhill, rev., 298; Outline History of China. Part 1: From Earliest Times to the Man-chu Conquest A. D. 1644. H. H. Gowen, rev., 695 ¶Revolution: Die geschichtlichen und sozialen Voraussetzungen der chinesischen Revolution und ihre Aussichten. R. Stübe, 948*; La révolution chinoise et la situation actuelle, 71*; Effect of Revolution upon the Relations between China and the United States. Ching-Chung Wang, 393*; Old China and Young America. S. P. Conger, n., 776 ¶ Railroads: Les chemins de fer de Chine. E. de Leboulaye, rev., 776; Chemin de fer du Yun-nan et l'expansion économique française dans la Chine Occidentale. A. F. Legendre, 870*; Short cut from Shanghai to Peking, 201 ¶ Maps: Dr. A. Tafels Reise in China und Tibet 1905-8 (sample sheet), n., 559; Kartographische Ergebnisse. Teil 1: China. 31 Karten, n., 877; Itinéraire de la mission Legendre au Kien Tch'ang et dans les marches tibétaines, n., 318, - dans l'ouest chinois, 1910-11, n., 319; Major G. Pereira's Route to Labrang Monastery, 78*; Map of China Showing Railways, Telegraphs and Treaty Ports, n., 238: Sketch Map showing the 238; Sketch Map showing the Route from Kashgar to Kowlun followed by Clementi, 1907-08, n., 78; three maps accompanying "Le canal de Sseu-Ngen: Communica-tion entre le bassin du Si-Kiang et celui du Yang-tseu.'' P. A. Lapicque, n., 396

Chinyero, Erupción volcánica del en Nov. 1909. L. F. Navarro, 628*

Chiovenda, E., 389* Chirvinskii, P. M., 952*

Chisholm, G. G., 309, 394*, 954* Chodat, R., 154* Choles, H. J., 789* Cholnoky, E. de, 154*, 474*, 713*

Insel. F. Timm, 634*

Christophers, S. R., 624*

Christy, C., 533

Chronographer, Speed and Current —. A. G. Noble, 866*

nubut: ¶Im Sattel durch Kordil-lere und Pampa Mittel-Patagoniens. Chubut:

W. Vallentin, rev., 55

Chudeau, R., 150*, 869* Chungking, Report for 1912 on the Chungking, Report for 1912 on Trade and Commerce of —, 790* Church, J. E., Jr., 154*, 874* Churchill, W., 187, 462 Cianetti, E., 633* Cisneros, D. J. de, 548, 780

Citerni, C., 296 Cities: ¶ Wohnungswesen und Städtebau. G. Peters, 875*

Ciudad Bolivar, Report for 1912 on Trade and Commerce of —, 787* Civilization, Revolutions of —. W. M.

Petrie, n., 66
Clapp, C. H., 55, 360
Clapp, F. G., Personal, 856; see also
Fuller, M. L.
Clare, C. L., 696
Claph, H. 894*

Clark, A. H., 234* Clark, F. E., 465

Clark, G. A., 944*

Clark, G. M., 547 Clark, K. M., 867* Clark, Miss, Personal, 528 Clark, W. B., Miller, B. L. and Others, 783*, 866* Clarke, J. M., 786* Clarke, W. E.: see Bartholomew,

Cleland, J. B., 74*

Clementi, C., Positions determined by — on his Journey from Kashgar to Hongkong, 314*; Sketch Map showing Route from Kashgar to Kowlun

followed by —, n., 78; Clements, F. E., Rosendahl, C. O. and Butters, F. K., 284, 783*; see also Cowles, H. C.

Clerget, P., 633*, 787*, 790

CLIMATE. See also Meteorology, Weather, etc.: Changes of Climate and History. E. Huntington, 235*; Climatic Changes. (Correspondence)
A. T. Olmstead, 439; Deflative Scheme of the Geographic Cycle in an Arid Climate. C. R. Keyes, 235*; Some Effects of Surface Slope on Climate. J. C. Alter, 445; Die Formen der Landoberfläche und Verschiebungen der Klimagürtel. A. Penck, 474*; Das Klima. E. Alt, rev., 541; Shifting of Climatic Zones as Illustrated in Mexico. E. Huntington, 1; Steinkohle, Wüsten und Klima der Vor-

Climate—Cont' d.

zeit (Aus der Vorzeit der Erde).

F. Frech, rev., 380; Volcanic Dust and Other Factors in the Production of Climatic Changes, etc., W. J. Humphreys, 852; Volcanoes and Climate. C. G. Abbot and F. E. Fowle, 473*, 766 **Maps**: **Prive** Maps accompanying "Schneegrenze in verschiedenen Klimaten." V. Paschinger, n., 960

Clinton, G., Jr., 146*

Closterhalfen, K., 75*, 79 Clouds, Influence of — on the Distribution of Solar Radiation. H. H. Kimball and E. R. Miller, 235*

Clouzot, E., 314*

COAL: ¶Coal and What We Get from it. A Romance of Applied Science. R. Meldola, rev., 699; A Coal Atlas of the World, 451; Formation of Coal Beds. J. J. Stevenson, 393,* 794*; Steinkohle, Wüsten . und Klima der Vorzeit (Aus der Vorzeit der Erde). F. Frech, rev., 380

Cock, M., 45* Cocoa: see Cacao Coffey, G., 226 Coffinière de Nordeck, A., 150* Colby, C. C., Personal, 619, 620 Cole, E. E., 705

Colima, Report for 1912 on the Trade of the Consular District of -, 785* Colima Volcano: Colima in Eruption,

Collie, G. L., 392*, 470* Collie, J. N., 867*

Colliez, A., 384 Collins, J. F., and Preston, H. W., 65 Collot, L., 226

COLOMBIA: ¶Cattle Industry of the Llanos. W. Lefferts, 180; Cedulario de las Provincias de Santa Marta y Cartagena de Indias (Siglio XVI). Tomo I., n., 941; Commerce of —, 786*; Exploration hydrographique à travers les Llanos de Colombie. V. Huot, 946*; H. Rice's Explorations, 925; Zoological Expedition to —, 524 Map: Map to illustrate paper by C. Markham on Vasco Nuñez de Balboa's Discovery of the Pacific Ocean, n., 797

COLONIES. See also Tropical Hygiene: ¶ Collection Diplomatique. No. 2 and 3. P. Macey, n., 549; Discussions de la question du régime monétaire dans les colonies. M. de Laveleye, 154*; Kolonialbota-nik. F. Tøbler, n., 943; Les im-pôts directs dans les colonies. M.

Rathgen, 394*; La réglementation du travail des indigènes. C. Janssen, 233*; L'utilisation des aéroplanes aux colonies. Lieut. Lalanne, 394*

COLORADO: ¶All About — for Home-Seekers, Tourists, etc. Th. Tonge, n., 863; Agriculture, Statistics, Census 1910, 228*; Geology and Petroleum Resources of De and Petroleum Resources of De Beque Oil Field. E. G. Woodruff, 388*; Glaciation in the Telluride Quad. A. D. Hole, 147* ¶Maps: Castle Rock Quad., 476*; Lead-ville Mining District, n., 955; Clason's Industrial Map of —, n.,

COLORADO R.: ¶Colorado River U. S.). W. B. Freeman, E. C.
La Rue, and H. D. Padgett, 228*;
Colorado River Campaign 1781-1782. Diary of Pedro Fages. Ed. by H. I. Priestley, 783*; Photog-rapher's Boat-Trip through the Canyons of the —. E. C. Kolb, 366* Columbia, District of: see District

of Columbia.

the Upper Columbia [David Thompson 1810-11.] O. B. Sperlin, 311* The Guardians of the Columbia:
Mt. Hood, Mt. Adams and Mt. St.
Helens. J. H. Williams, rev., 141;
Columbia River Basin (Surface
Water Supply of the U. S. 1910).
F. F. Henshaw, E. C. La Rue and
G. C. Stevens, 707*

Columbia Univ., Geography at -'s Summer School, 450, 527

COLUMBUS, CHRISTOPHER: ¶ Columbus and his Predecessors: A Study in the Beginnings of American History. C. H. Mc-Carthy, n., 145; Columbus a Span-iard and a Jew. H. Vignaud, 875*; Thèses nouvelles sur l'origine de

Christophe Colomb: Espagnol!
Juif! Corse! H. Vignaud, 875*
Columbus Quadrangle, Ohio, Geology
of —. C. R. Stauffer, G. D. Hubbard and J. A. Bownocker, 687

Coman, K., 531

Comer, Captain, Additions to -'s Map of Southampton Island, 516

Commaille, J., 146

COMMERCE: ¶ Industrial Educa-tion and Commercial Prosperity. J. J. Macfarlane, 875*; The Sea Trader, His Friends and Enemies. D. Hannay, rev., 699; Die Typen der Verkehrslagen am Meer. F. Fal-kenstein, 795* ¶ Maps: CommerCommerce—Cont' d.

cial Values: An Atlas of Raw Materials of Commerce and Commercial Interchanges. M. Jefferson, n.,

Comoro Islands: Mayotte et Dé-Statistiques du Compendances.

merce, 1910, 788*

Compass: ¶Admiralty Manual for the Deviations of the —. F. J. Evans and A. Smith, n., 706; Gyrostatic Compass. H. Marchand, 473*

Conger, S. P., 776 CONGO: ¶La grande forêt cen-trale du Congo. De Wildeman, 946*; Report of 1911 on Trade and Resources of the Congo, 552*

BELGIAN CONGO: avancement de la construction du chemin de fer du Katanga, 552*; Bibliographie. Livres et Ouvrages en Fascicules, 149*; Cartography of the -, 200; Chemin de fer du Congo, 312*; Contribution à l'Étude géologique de la partie centrale du Congo Belge, y compris la région du Kasaï. S. H. Ball and M. K. Shaler, 787*; Drahtlose Telegraphie im Kongostaate, 787*; Exploration et la prospection de l'Urua, 312*; La Frontière Anglo-Congolaise, 389*; Improvements at Matadi, 763; Kautschuk und Kautschukhandel im Belgischen Kongo, 628*; Le Katanga. F. Cousin, 628*; Mufumbiro Mountains. E. M. Jack, 787*; Notes sur les Badjo. G. Bermard, 787*; Pénétration de la civilisation au Congo belge et les bases d'une politique coloniale. Mentalité nègre. Pénétration de la culture européene dans la mentalité nègre. A. de Calonne Beaufaict, 70*; Onze Kolonie. Practische Studie over Belgisch Congoland. E. Paque, 547*; Le problème des grandes forces hydrauliques. R. grandes forces hydrauliques, R. Thys, 552*; La question des langues au Congo Belge. J. de Lichtervelde, 469*; En réponse à quelreque, 2027; En reponse a quelques critiques de notre Congo. R. de Liederkerke, 70*; A Stanleyville. A. Detry, n., 936; Statut International du Congo. P. Macey, n., 549; A travers le Congo Belge. R. Dubreucq, n., 464; Les Tribus Kayati du Mayombe. Deleval 550*. vati du Mayombe. Deleval, 552*; Les Wangata. Étude éthnogra-phique. Lieut. Engels., n., 780 Maps: ¶Itinéraire de Jan de Herder d'après Dapper et d'Anville, n., 318; —, restitué d'après les

n., 318; cartes modernes, Petit Atlas du Congo Belge, n., 800; Ré-gion entre les rivières Mbomou et Mbokou modifiée d'après les levés de A. Piquet, n., 157; Survey of Anglo-German-Belgian Boundary Region by the British Commission under Command of E. M. Jack, n.,

FRENCH CONGO: see French Equatorial Africa under Africa.

CONGO R.: ¶L'aménagement des passes du Bas Congo, 628*; La navigation au Congo et l'utilisation maximum du réseau fluvial. J. M. Jensen, 551*; Les sources du Congo. A. J. Wauters, 230*

CONGRESSES: ¶Compte Rendu du Congrès International des Américanistes, 18c Session, 1912. Capitan, 634*; Reseña Segunda Sessión del XVII Congreso Intern. de Americanistas, rev., 373; Congress of Commercial Geography in Spain, 618; Congrès National des Sociétés Françaises de Géographie, Compte Rendu, 1911, 792*; Intern. Con-gress of Forestry, 51; Official Re-port of Proc. of Intern. Rubber Congress, rev., 61; The Tenth Intern. Geographical Congress, 524; The Tenth Intern. Geographical Congress. G. Chisholm, 954*; X Congresso Geografico Internazionale (Roma 27 marzo-3 aprile 1913). Roma 27 marzo-3 april 17. P. Schiarini, 635*; The XIIth Intern. Congress of Geology, 205, 853; Delegates of the Amer. Geogr. Soc. to the Twelfth Intern. Geol. Congress, 366; Western Excursions of the —, 523; Die zweite Dry Farming Congress in Bloemfontein, Okt., 1912, 70*

CONNECTICUT: ¶Central Connecticut in the Geologic Past. J. Barrell, 67*; Geologic and Natural History Survey of -, 133; Popula-tion. Composition and Characteristies of Census 1910, 467*; Report for 1912 on Trade, etc., 867*; Statistics of Agriculture, Census 1910, 228*; 5th Biennial Rept. of Commissioners of - State Geol. and Nat. Hist, Surv., 229* ¶ Maps: Geologic Map of Parts of Stonington and Moosup Quadrangles, 395*; Geol. Map of Parts of Stonington and Moosup Quads, showing observa-tions of strike and dip joints and shear planes, 395*

Constance Lake: ¶ Niederschlagsver-hältnisse zwischen Bodensee und Donau. Götz, 950*

Constantza: See Kustendje. Contenson, Baron de, 554 Cook Harbour (Cooktown), Queens-

land, 72*
Cooke, W. W., 555*, 866*
Cooksey, Rev. Father, 229*
Coolgardie: ¶ Description of northern portion of Yilgarn Goldfield and southern portion of North Coolgar-die Goldfield. H. P. Woodward, 470*; Geological Investigations in parts of - and in East Murchison Goldfields. H. W. B. Talbot, 470* Coolidge, A. C., 622 Coolidge, W. A. B., 59, 315* Coons, A. T., 310*

Cooper, J. A., 630* Copenhagen: ¶Der Mylius-Erichsen-Denkstein in Kopenhagen, 314* Coppermine Region: Copper in the

Coppermine Country. J. B. Tyrrell,

Coquimbo Consular District, Chile, Report for 1912 on the Trade of, 709* Cora, G., 788*, 873* Coral Reefs: ¶Sur une Carte des

récifs de coraux. L. Joubin, 235*; ¶ Map: Carte des Bancs et Récifs de Coraux. L. Joubin et J. Morelli, n., 159

Cordier, H., 870* Corea: see Korea. Corless, R., 392*

Corless, R., 392*
Cornell Univ., Summer Courses in Geography, 527, 619
Cornetz, 150*
Cornish, V., 148*, 550*, 699
Coronas, J., 152*
Corre, R. P., 788*
Cortesi, F., 390*
Cortier, M., 150*, 470*
Cortina, R. D. de la, 941*

Cortina, R. D. de la, 941* Costa e Andrade, A. da, 628*

Costa, J., 554*

COSTA RICA: ¶ Anuario Estadístico 1911, 468*; Boletin de Fomento, 1912, 468*; Commerce of Costa Rica for 1911, 550*; Costa Rica (Commercial Monographs). E. N. Vose, 945*; Costa Rica. General Vose, 945*; Costa Rica. General Descriptive Data, June, 1910, 550*; Das Erdbeben von Sarchi, K. Sapper, 229*; Report for 1912 on the Trade and Commerce of —, 945*

Côte-d'Or, Esquisse Géologique de la

— L. Collot, n., 226 Côtes-du-Nord, Géographie du Département des -. P. Joanne, 226* Cottini, G., 942*

Cotton: The Story of Cotton and the Development of the Cotton States. E. C. Brooks, n., 543 Cotton, C. A., 72*, 152*; see also

Marshall, P.

Cousin, F., 628*

Covert, C. C. and Bolster, R. H., 148*; —, Horton, A. H. and Bolster, R. H., 148*; see also Babb, C. C. Cowles, H. C., 874*; - and Clements,

F. E., 45, 615 Cowlitz River Drainage Basin. F. Henshaw and G. L. Parker, 466* Cox, F. A. D., 792*

Cox, H. J., 146*, 445 Crabtree, W. A., 388* Cracow: ¶The Royal Capital of Ancient Poland. Its History and

Antiquities. L. Lepszy, n., 226 Crahmer, W., 954* Craig, J. I., 304, 389*, 634*

Craigie, W. A., 942

Crampton, C. B., 793*, 875* Crandall, R., 623; — and Williams, H. E., 238

Cranworth, Lord, 211

Crater Lake: ¶Geological History of Crater Lake, Crater National Park. J. S. Diller, 783*

Crater Lake National Park. J. S. Diller, 783*; General Information Regarding —. 1913, 784* Crawford, D., 774

Credner, Hermann, Obituary, 857

Creighton, L., 546

Créqui-Montfort, G. de et Rivet, P., 149*, 623 Crete: ¶The Sea-Kings of Crete. J.

Baikie, n., 385 Crèvecoeur, J. H. St. John and W. B. Blake, 931

Crimea: ¶A Tramp's Sketches. S. Graham, n., 537

Croatia: ¶Verschiebung der Meeres-grenze in Kroatien und Dafmatien in historischer Zeit. A. Gavazzi, 792*

CROCKER LAND EXPEDITION: —, 371, 449, 753; Contributions of the Amer. Geogr. Soc. to the —, 365; The Personnel of the —. E. O. Hovey, 714*; The Rethe organized Crocker Land Expedition, 137

Crose, W. M., 671 Crosthwait, H. L., 71*

CUBA: Boletin Official de la Secret. de Agricult., Comercio y Trabajo, 1912-13, 785*; Commerce of Cuba, 1912, 550*; General Descriptive Data, June, 1909, 550*; Republic of Cuba. Report of Provisional Administration from Oct. 13, 1906, to Dec. 1, 1907. C. E. Magoon, 148* ¶ Map: National Geog. Soc. Map of Cuba, Porto Rico, etc., n., 956 Cultru, P., 775

CULTURE: ¶Inter-University Conference on "Culture and Environment", 203; Kultur der Urzeit. M. Hoernes, n., 706; Urgesellschaft und ihre Lebensfürsorge. K. Weule, n., 309

Cummings, Prof., Personal, 619

Cundall, F., 864
Cuneiform Parallels to the Old Testament. Transl. and ed. by R. W. Rogers, rev., 545

Cuninghame, B. A. and Hill, J. H., 390

Cunynghame, P., 231*

Curação: ¶Curação in 1817. J. de Hullu, 468*; ¶Map: Kaart van het Stadsdistrict van het eiland Curaçao. J. V. D. Werbata, n.,

Cureau, A., 297 Currelly, C. T., 864

Current Geogr. Papers: see Geographical Papers, Current.

CURRENTS. See also Tides: ¶ Effects of Labrador Current upon the surface temperature of North Atlantic and of latter upon air temperature and pressure over the Britsh Isles. M. W. C. Hep-worth, 393*; Küstenverlagerung und Meeresströmung zwischen Rügen und Alsen. H. Spethmann, 73*; Stabilität der Meeresströmungen im Nordatlantischen Ozean. A. Gadewohl, 554*

Currey, J. S., 53 Curtis, G. C., 413

Curzon, Earl of Kedleston, 954* Cushing, S. W., 81; Personal, 528,

@Buried Wall at Cuzco CUZCO: and Its Relation to the Question of a pre-Inca Race. I. Bowman, 149*; Gravels at Cuzco. H. E. Gregory, 786*; Investigation of Prehistoric Human Remains found near -. H. Bingham, 786*; Vertebrate Remains in the Cuzco Gravels. G. F. Eaton, 786*

Cvijić, J., 239, 315*, 479, 632*, 949* Cyprus: ¶ Handbook of Cyprus. 7th Issue. Revised by H. C. Lukach and

D. J. Jardine, n., 866

CYRENAICA. See also Libya and
Tripolitania: ¶Cirenaica: Appunti
di agricultura Bengasina. C. Manetti, 313*; Cirenaica. Conferenza di R. Almagià. n., 864; Climatologia di Tripoli e Bengasi. F. Eredia, n., 144, 313* ¶ Map: Sketch Map showing route followed by M. G. Rémond in Tripoli and Cyrenaica, n., 77

Dahlmann, J., 67 Dahms, P., 305

DAHOMEY: ¶Dahomey, 869*; Au Dahomey. Conférence donnée par Mgr. Steimetz. Meyssonnier, 629*;

Le Dahomey, 947*
Dainelli, G., 633*; — and Marinelli, O., 469*; —, Marinelli, O., and Stefanini, G., 951*

Dairen, Report for 1912 on Trade and Navigation of the port of -, 871* Dakar, Le port de —. Schrader, 869*

Dake, C. L., Personal, 856

Dakotas, Data of Archaeology of the H. I. Smith, 69*

Dale, D., 944*
Dale, T. N., 387*
D'Alia, A., 153*

D'Alia, A., 155 Dalla Torre, K. W. v., 865 DALMATIA: ¶La Dalmazia. A. D'Alia, 153*; Handbook of — Abbazia, Lussin, etc., n., 942; Report for 1912 on Commerce, Industries and Navigation of -, 949*; Verschiebung der Meeresgrenze in Kroatien und Dalmatien in historischer Zeit. A. Gavazzi, 792*

Daly Medal: ¶Award to Capt. R. Amundsen, 131, 133; to A. H. Brooks, 197, 442
Damon, T. J., 315*
Dana, James Dwight — Centenary. A. T. Hadley, 715*; Dana's Manual of Mineralogy, n., 386
Daneš, J. V., 72*, 319
Danube: ¶Die untere Donau zwischen Turnul-Severin und Braila. Geomor-

Turnul-Severin und Braila. Geomorphologische Betrachtungen. A. G. Dimitrescu, 315*

Darbene, R., 148* Darbishire, B. V.: see Herbertson, A. J.

Dardano, A., 873*
Daressy, G., 394*
Darton, N. H., 290, 310*; — 's Trip
to New Mexico, 529

Dauphiné. Guide rédigé par M. Pail-

lon, n., 146 Dautremer, J., 374 David, T. W. E., 764

Davies, L., 625

Davis, C. A., 529 Davis, J., 228* Davis, J. K., 872*

Davis, R. O. E., 794*

Davis, W. M., 63, 73*, 360, 391*, 392*, 474*, 518, 874*; — and Braun, G., 940; —, Reid, H. F., and others, 874; Die erklärende Beschreibung der Landformen durch Davis. A.v. Böhm, 555*; Lectures by Davis at

Davis, W. M .- Cont'd. Columbia University, 135; William Morris Davis, Geographer. E. Huntington, 234*; Personal, 205, 372, 520, 526, 220 529, 856, 930

Davison, C., 473*; 953* Dawson, C., 793* Day, D. T., 310*

De Agostini, G., 872*; Calendario-Atlante De Agostini. A. Machetto, n., 880

De Beque Oil Field, Colo., Geology and Petroleum Resources of -. E. G. Woodruff, 388*

De Geer, G., 315* De Geer, S., 232*, 518*; see also Nordenskjöld, O.

Dead Sea: Max Blanckenhorns Totes Meer-Werk, 948*

Dean, H. J.: see McGlashan, H. D. Deeley, R. M., 227*, 794*

Defant, A., 554*

Defossez, L., 385 Defossez, L., 385 Dehérain, H., 305, 393* Deir el-Bahari, The XIth Dynasty Temple at —. Part 3. E. Naville and H. R. Hall, n., 864

Delambre, J. B. J. and Bigourdan, G., 217

Delaware, Statistics of Agriculture, Census 1910, 228* ¶Map: Cape Census 1910, 228* ¶ Map: Cape May to Fenwick Is. Light, 76* Delaware River Basin. C. C. Babb,

C. C. Covert and E. H. Bolster, 310*

Delbrel, G., 630* Deleval, 552*

Delgado de Carvalho, C. M., 295

Deluge: ¶Der Mythus von der Sint-flut. G. Gerland, n., 66 Demangeon, A., 792* De Marees, P., 308*

Dendûr, The Temple of. A. M. Blackman, rev., 56

Denis, P., 868*, 957 Denison Univ., Summer Courses in Geography, 619

DENMARK: Carlsbergfondets Dybdeboring i Grøndals eng ved København 1894-1907 og dens Videnskabelige Resultater. E. P. Bonnesen, O. B. Boggild og J. P. J. Ravn, n., 705; Meteorologisk Aar-bog for 1910. Første Del: Kon-geriget, 232*

Deschamps, E., 152*

Desert Ranges, Rock-cut Surfaces in the -. S. Paige, 393*

Detry, A., 936 Devereux, R., 296

Deville, E., 548 Devils Lake, N. D., Factors Influencing the Flora of -. M. A. Brannon, 944*

Dexter, G. B., 133* Díaz del Castillo, Bernal, 144 Diaz dei Castillo, 30 a.m., 382 Dickson, H. N., 382 Dieck, A., 709*, 785* Dietrich, B., 362, 472*, 473* Digby, B.: see Wright, R. L. Dill, H. R. and Bryan, W. A., 153* Diller, J. S., 715*, 783* Dimitrescu, A. G., 315* Dinse, J. S., 204, 234* Dines, W. H., 315*, 555* Dingle, E. J., 298

Dingler, H., 555* Dinosaurs: ¶— of East Africa, 193; C. Schuchert, 312*

Statistics of District of Columbia, Agriculture, Census 1910, 228* Dithmarschen: ¶ Hausgeographie von Dithmarschen. O. Lehmann, 950*

Djanet, L'oasis de -. E. Ardaillon, 629*; Son occupation par la Compagnie Saharienne Capt. Charlet, 150* Saharienne du Tidikelt.

Dobrudja: ¶Die Dobrudscha. Heiderich, 392*

Dodge, R. E., 543; Personal, 529 Doell, —., 793* Domin, K., 72*

Dominian, L., 576 Dopp, K. E., 386 Dopp, M., 401, 490, 585, 653, 736, 831, 902

Douglas, N., 225 Dove, K., 230*. 787*, 788* Doynel, L., 790* Dracopoli, I. N., 76, 797

Drake Documents, New-dis by Mrs. Zelia Nuttall, 394* New-discovered

Drake, N. F., 711* Dresden: ¶Ergebnisse der

boden-Temperatur-Messungen Garten bei den Diensträumen der Landes-Wetterwarte zu Dresden. . während der Zeit von 1. Aug. 1907 bis 31. Dez. 1910. P. Schreiber, 73*; Report for 1912 on Trade and Commerce of Consular District of Dresden, 793*

Dresden Geographical Society, Semi-Centennial of the -, 202

Dresser, J. A., 626* Drinker, H. S., 474*

Drôme, Géographie du Département de la -. P. Joanne, 226*

Droogmans, M. H., 149* Dry-Farming: see under Agriculture.

Dryer, C. R., 218, 227*, 474* Dryer, C. R., 218, 227*, 474* Dryer, C. R., 597 Dubois, A., 714* Dubois, P., 392* Dubreng, P. 464

Dubreucq, R., 464
Ducks and Geese, Saving the —. W. W. Cooke, 555*

Dühring, Oberleutnant, 469*
Dumas, L., 874*
Dunes: see Sand Dunes.
Dunkirk: ¶En suivant les côtes de
Dunkerque à Saint-Nazaire. M. A.
Hérubel, n., 705
Dunlap, R. B.: see Upham, W.
Dunn E. J. 712*

Dunn, E. J., 712* Dunn, W. A., 229* Dupuis, Jean, Obituary, 205

Durance: ¶ Découverte d'une rivière souterraine chaude sous le lit de la Durance. C. Rabot, 792*

la Durance. C. Rabot, 792* Dusén, P., 377 Dutch East Indies: see East Indies, Dutch.

Duthie, J. F., 384
Dutton, Clarence Edward, Memoir of
— J. S. Diller, 715*

Dybowski, J., 936
Dzungaria, Map: ¶Karlik Tagh and
Barkul Mountains. From Survey by
D. Carruthers and A. Stein's surveys of 1906-8, n., 559

E

Eagle Mountains, Cal., Iron-Ore Deposits of the —. E. C. Harder. 387* Eagle R. Region, S. E. Alaska. A. Knopf, 467*

BARTH: ¶The Age of the Earth.
J. Joly, 473*; Der äusserste Punkt
der Erdoberfläche. A. v. Böhm,
872*; Condition of the Earth's
Crust. G. R. Putnam, 235*; Grandeur et Figure de la Terre. J. B. J.
Delambre, and G. Bigourdan, rev.,
217; Kants Ansichten über Geschichte und Bau der Erde. E.
Adickes, rev., 306; Kreislaufvorgänge in der Erdgeschichte. G.
Linck, 874*; Land und Wasser auf
der Erdoberfläche. H. Wagner,
235*; Magnetische Aufnahme der
Erde. W. Krebs, 873*; The Making of the Earth. J. W. Gregory,
rev., 540; Man and the Earth.
A simple reader in human geography. J. W. Page, 145*; Radium
and the Evolution of Earth's
Crust. A. Holmes, 874*; On
the Rigidity of the Earth, and
on Col. Burrard's Theory of the
Himalayas. O. Fisher, 873*; Structure of the Earth. T. G. Bonney,
n., 227; La Terre. Géographie générale. P. Camena d'Almeida. n.,
386; Thermal Regions of the Globe.
A. J. Herbertson, 554*; Aus der
Vorzeit der Erde. 1. Vulkane einst
und jetzt. 2. Gebirgsbau und Erdbeben. 3. Arbeit des fliessenden

Wassers. 4. Arbeit des Ozeans und die ehemische Tätigkeit des Wassers im allgemeinen. 5. Steinkohle, Wüsten und Klima der Vorzeit. 6. Gletscher einst und jetzt. F. Frech, rev., 380; Zerrung in der Erdkruste und deren Folgeerschelnungen. M. Friederichsen, 555*

EARTHQUAKES. See also Seismology: ¶On the cause of Jamaica Earthquake of Jan. 14, 1907. V. Cornish, 148*; Central California — of July 1, 1911. E. C. Templeton, 708*; Contents of Publications of Imperial Earthquake Investigation Committee, Tokyo, 1913, 635*; — at J. C. Branner, 786*; Destructive — in China. N. F. Drake, 711*; Earthquake Epicenters. O. Klotz, 155*; Graphical Construction for the Epicentre of an Earthquake. the Epicentre of an Earthquake. G. W. Walker, 393*; Location of Epicenters for 1911. O. Klotz, 155*; Earthquakes and Rainfall. R. W. Sayles, 874*; Erdbeben und Erschütterungen in Finland, 1904- J. E. Rosberg, 952*; Erdbeben des Kaiserstuhls. R. Lais, 473*; Erdbeben von Sarchi (Kostarica): K. Sapper, 229*; Gebirgsbau und Erdbeben (Aus der Vorzeit der Erde). F. Frech, rev. 380; Great Earthquakes in the Island of Haiti. J. Scherer, 945*; Notes on Remarkable Earthquake Sounds in Haiti. J. Scherer, 945*; Hawaiian Earthquakes of 1868. C. H. Hitchcock, 712*; Zur Herdtiefe des süddeutschen Erdbebens vom 16. Nov., 1911. A. Schmidt, 472*; Jord-skjaelv i Norge. C. F. Kolderup, 714*; Mittelsteirische Erdbeben vom 22. Jänner, 1912. F. Heritsch, 73*; Das mitteleuropäische Erdbeben vom 16. Nov. 1911 und seine Beziehungen zum geologischen Aufbau Süddeutschlands. R. Lais and A. Sieberg, 472*; The New Madrid and other Earthquakes of Missouri. F. A. Sampson, 708*; On Proper Map for Determining Location of Earthquakes. W. L. G. Joerg, 760*; The Prevision of Earthquakes. Davison, 473*; On Recent Sea-Level Variation at Italian and Austrian Mareograph Stations and on the Cause of Messina-Reggio Earthquake of 1908. F. Omori, 553*; Rossi-Forel Scale of Earthquake Intensities, 794*; Das Scheibbser Erdbeben vom 17. Juli, 1876. A. Kowatsch, 73*; Sound-PhenoEarthquakes-Cont'd.

mena of British Earthquakes. Davison, 953*; Sudden Earth-Movements in Sumatra in 1892. H. F. Reid, 790*; Terremoti osservati in Italia nel 1908. G. Agamennone, 392*; Terremoti distruttivi negli ultimi 19 secoli. G. Agamennone, 794*; Terremoto delle Isole Jonie del 24 gennaio 1912 e la velocità delle onde sismiche. G. Agamennone, 632*; Tremblements de terre du bassin de Paris, leurs relations avec les accidents tectoniques. P. Lemoine, 73*; Usu-san Eruption and Earthquake and Elevation Phenomena. F. Omori, 712*; A Violent Earthquake at Guayaquil, 446 ¶ Maps: ¶ Map of Earthquake Features of the New Madrid District. M. L. Fuller, n., 395; Map of Reelfoot Lake and its submerged drainage channels, n.,

East, The Sea Road to the -. A. J.

Sargent, rev., 58

EAST INDIES: ¶Kurs der Magellanschen Flotte durch die indische Inselwelt auf der ersten Erdumseglung 1519-22. O. Koelliker, 231*; A New Account of East India and Persia, being Nine Years' Travels, 1672-1681. J. Fryer, n., 308 ¶ Artentafeln in ½ der Original-grösse, n., 239; Magellans Kurs durch die indische Inselwelt. O.

Koelliker, n., 239

EAST INDIÉS, DUTCH: ¶ Atol-len en Barriere-Riffen in de Oost-Indiese Archipel, J. F. Niermeyer, 151*; De Chineesche beweging in Nederlandsch-Indië. H. J. H. Borel, 948*; Dagh-Register gehouden int Casteel Batavia vant passerende daer ter plaetse als over geheel Neder-landts India Anno 1680. F. de Haan. 948*; Faserbau in Holländisch-Indien und auf den Philip-pinen. W. F. Bruck, 552*; Jaar-verslag van de Commissie in Nederlandsch-Indië voor oudheidkundig onderzoek op Java en Madoera, 1911, 314*; Een verkenninstocht over het eiland Soemba. H. Witkamp, 151*; De voorgenomen uit breiding en verbetering van het Nederlandsch-Indische Telegraafnet.

W. F. G. Oosterbreek, 631*
East Riding, Examples of printed
Folk-Lore Concerning —. Collected and Edited by Mrs. Gutch, n., 386 aster Island: ¶ Easter Island. Easter Island:

Rapanui Speech and the Peopling of Southeast Polynesia. W. Churchill, rev., 462; Der Lepraherd auf der Osterinsel. W. Knoche, 791*

Easton, C., 472* Eaton, A. H., 65 Eaton, G. F., 786*

Eckert, M., 474*, 795*, 960

Eckert, M., 474*, 795*, 960

ECOLOGY: ¶ Ecology. The Best Method of Studying the Distribution of Species in Great Britain. C. B. Crampton, 793*; Edaphische Wirkungen des Kalkes auf die Vegetation tropischer Karren und Karrenfelder. C. C. Hosseus, 235*; Ökologischen Grundlagen der Tierverbreitung. R. Hesse, 875* Plant Ecology of Ben Armine. C. B. Crampton, 793*

ECUADOR: ¶Commerce of Ecuador, 786*; Earthquake at Guayaquil, 446; Mission du Service Géographique de l'Armée en Équateur

1899-1906, 388* Eddingfield, F. T., 871* Edom: see Idumaea. Edwards, H. A., 876*; 946* Edwards, G. W., 376 Eggleston, E., 931

Eguilaz, J. A. de, 941* EGYPT: ¶Ägyptens Landwirt-schaft, 629*; Almanac for the Year 1913, n., 704; Ancient Egyprear 1913, m., 704; Ancient Egyptians and their Influence upon the Civilization of Europe. G. E. Smith, rev., 212; Archaeological Report 1911-12, Comprising Work of the Egypt Explor. Fund and Progress of Egyptology during 1911-12. F. L. Griffith, 389*; The Assuan Dam, 629*; Baumwolle in Ägypten und im englisch-ägypt-ischen Sudan. M. Schanz, 389*; Cotton Plant in Egypt. W. L. Agypten und im engineer 389*; ischen Sudan. M. Schanz, 389*; Cotton Plant in Egypt. W. L. Balls, n., 384; Geography and Geology of South-Eastern Egypt. J. Ball, n., 780; Natural Soda Deposits in —. A. Lucas, 389*; Deposits in — A. Lucas, 389°; L'origine de la race égyptienne. G. Jéquier, 629°; Une race in-connue de l'Egypte actuelle. C. Beaugé, 70°; Resurrection of Ancient Egypt. J. Baikie, 947° Maps: Gebiet zwischen Assuan, Kurkur und dem Gebel Borga. K. Leuchs, n., 637; Egypt. Sheet 2-E: South-West Delta, Sheet 1-E North-West Delta, n., 238; Map of the Delta, n., 238; Map of Egypt, n.,

Eifel, Die —. O. Zollman, n., 465 Eisenmenger, G., 392*

Ekelöf, E., 377

El Paso Range, Physiography and Structure of the Western - and the Southern Sierra Nevada. C. L. Baker, 146*

Elbe: Die Terrassen der Moldau-Elbe zwischen Prag und dem Böhmischen Mittelgebirge. R. Engelmann, 553*

Elbert, J., 299

Elephant Seal, The Northern -. C. H.

R. Stroch, 789* Elgon Mount: Ellenberger, D. F., and Macgregor,

J. C., 773
Elliott, F., 869*
Elliott, H. W., 68*
Ellis, D. C., 474*
Ellis, E. S., 863 Elrod, M. J., 783*

Elston, —, Personal, 619 Elwin, E. F., 777 Elwin, Rev. Father, 942*

Emerson, F. V., 310*, 373, 466* Emmons, W. H., 625* Emmons, W. H., and Calkins, F. C., 866*

Engelhardt, Fr. Z., 454 Engell, M. C., 954*

Engelmann, R., 553*

Engeln, O. D. v.: see Tarr, R. S.; Personal, 619

Engels, Lieut., 780 Engerrand, G., 627*

ENGLAND. See also Great Britain United Kingdom of Great and Britain and Ireland: ¶ Common Land and Inclosure. E. C. K. Gonner, n., 226; Englands Weltmacht in ihrer Entwicklung vom 17. Jahrhundert bis auf unsere Tage. W. Langenbeck, n., 465; An English Desert. A. G. Ogilvie, 793*; Population of England in the 18th Century. E. C. K. Gonner, n., 548; Warfare in England. H. Belloe, n., 865 **qMap**: The "Long Valley" and Environs, n., 879

ENGLISH CHANNEL. The English Channel Tunnel. A. Sartiaux, 927; La géologie du fond des mers: Manche et Atlantique Nord. P. Lemoine, 633*; Unter-tunnelung des englischen Kanals. R. Hennig, 712* ¶Map: Fonds géologiques d'une partie de La Manche, n., 160

Environment and Culture, Inter-University Conference on -, 203

Eredia, F., 144, 313*

Erichsen, Mylius, Der - Denkstein in Kopenhagen, 314*

Erie Canal, Early History of the -. G. Clinton, Jr., 146*

Erie Lake: ¶ Lake Erie and the Story of Commodore Perry. E. P. Morton, n., 779

¶Brevi notizie sulle ERITREA: zone climatiche nella colonia -. G. Dainelli and O. Marinelli, 469*; Cinque mesi in Eritrea. B. Lacetti, 70*; Collezione dei cereali Eritrea presentata dal R. Governo all'Esposizione Intern. di Torino, 1911. E. Chiovenda, 389*; Eritrea economica. G. de'Luigi, 469*; Movimento commerciale. M. Checchi, 70*; - nel' anno 1912, 947*; Il tallero di Maria Teresa e la questione monetaria della colonia. G. Carboneri, 389*

Significance. E. C. Andrews, 74*; Great Erosional Work of Winds. C. R. Keyes, 555*; Problème de l'érosion glaciaire. P. Morin, 555*; A Working Erosion Model for Schools. D. C. Ellis, 474* Errera, C., 633* Escher. B. G., 475* EROSION:

Escher, B. G., 475*

ESKIMO: ¶Gli Eschimesi. La razza—Gli usi e i costumi—Folklore. A. Faustini, 703; The Eskimo and Civilization. V. Stefansson, 233*; Origin of Stefansson's Blond Eskimo. A. W. Greely, 233* Ethiopia: see Abyssinia.

Ethnography: ¶Das Messer: Eine kulturhistorisch-ethnographische Skizze. C. A. Seyffert, 634*; Prähistorisch-Parallelen. ethnographische

Haberlandt, 634* Ethnology: ¶ Das Rassenproblem unter besonderer Berücksichtigung der theoretischen Grundlagen der jüdischen Rassenfrage. I. Zollschan, rev., 381

Eugenics, Introduction to —. W. C. D. and C. D. Whetham, 783*

EUROPE: ¶ Expansion européenne et la politique actuelle (2e partie: Géog. à l'usage des candidats â l'école supérieure de guerre et aux écoles militaires). P. Boissier, n., 783; Darstellung der Bevölkerungsverteilung in Europa. L. Weise, 474*; Europa. (Aardrijkskunde Series.) A. Vermast. n., 466; In Foreign Fields. J. E. Wing, rev., 771; Geography by Grades. 6B: Europe. H. B. Niver and E. D. Farrell, rev., 220; Die germanischen Stämme und die Kulturen zwischen Oder und Passarge zur römischen Kaiserzeit. 1. Teil. E. Blume, rev.,

Europe-Cont'd. 304; A Handbook of Geography. Vol. 1, part 2. The British Isles and Europe. A. J. Herbertson, rev., 222; Om klimatvariationer i Europa under historisk tid och deras O. Pettersson, 949*; orsaker. Kultur der Urzeit. M. Hoernes. I. Steinzeit (Ältere und jüngere Steinzeit Europas); II. Bronzezeit (Kupfer- und Bronzezeit in Europa, im Orient und in Amerika; III. Eisenzeit (Hallstatt- und La Tène-Periode in Europa), n., 706; Der Moschusochs im Diluvium Europas und Asiens. R. Kowarzik, 473*; A New Density of Population Map of Europe. M. Jefferson, 667; North American and European Drift Deposits. R. M. Deeley, 227*; Palæolithic Man and Terramara Settlements in Europe. R. Munro, rev., 304; Rabenort's Geographies. Europe. W. Rabenort, rev., 221; Die sommerlichen Regengebiete in West-und Mitteleuropa. F. Gagelmann, 792*; Testo Atlante di Geografia. Geografia fisica generale; l'Europa e l'Italia in generale. l'Italial'Europa. A. Mori, n., 145; Zusam-menhang der Luftdruckabweichungen über Island, den Azoren und Europa. W. Köppen, 391* ¶ Maps: Bevölkerungsverteilung in Europa. Versuch einer Volksdichtekarte. L. Weise, n., 398; Blatteinteilung der Übersichtskarte von Mitteleuropa, n., 397; Der Rückgang des türkischen Herrschaftsgebietes in Europa, 8 maps, n., 399; Uebersichtsblatt zur topographischen Specialkarte von Mittel-Europa, n.,

397 Evans, E. R. G. R., 872* Evans, F. J. and Smith, A., 706

Ewald, R., 782*
Exodus: ¶La route de l'exode. Daressy, 394*
Explorers Club, The —. Constitution,

By-Laws, etc., 1912, 67* Eylert, T., 234*

Fabro, G. del, 943*

Fafard, F. X., 945*
Fages, Pedro, Diary of —. Colorado Campaign of 1781-82.

Ed. by H. I. Priestley, 783* airbanks: ¶Railway Routes from the Pacific Seaboard to -. Brooks, 387*; Geol. Reconnaissance of Fairbanks Quadr., with detailed description of - District. L. M.

Prindle and F. J. Katz. Account of Lode Mining by P. S. Smith, 944* Fairchild, H. L., 68*, 625* Fairford, F., 779 Fairgrieve, J.: see Young, E.

Fairgrieve, J.: see 10418, ...
Falconer, J. D., 313*
Falkenstein, F., 795*
FALKLAND ISLANDS: qContributions to the Geology of ...
Frachnisse der Schwedischen Südpolar-Expedition, 1901-3. Vol. 3, Lief. 2). J. G. Andersson, rev., 377; n., 144; On Geological Structure and History of the Falkland Islands. T. G. Halle, n.,

Fambri, G., 222 Fanning, P. R., 231*

Farnham, Gravel Beds of - in Relation to Palaeolithic Man. H. Bury, 953*

Faroe Islands: ¶Eine Irrfahrt auf den Färöern. C. Küchler, 792*; Land und Leute der Faeröer. C. Küchler, 153*

Farrand, M., 779

Farrald, M., 718
Farrell, E. D.: see Niver, H. B.
Fassig, O. L., 689, 933
FAULTS: ¶ Fault Block Plateaus.
W. M. Davis, 364; Nomenclature
of Surface Forms on Faulted
Structures. W. M. Davis, 874*; Report of the Committee on Nomenclature of Faults. H. F. Reid, W. M. Davis, A. C. Lawson, and F. L. Ransome, 874*

Faustini, A., 703

Favre, J., 233* Fawcett, C. B., 635* Fáy, David: ¶Reisebriefe der südamerikanischen Jesuitenmissionare Johann Zakarjás und —, 627* Fehlinger, H., 944* Feige, E., 875*

Fennel, A., 548* Fenneman, N. M., Personal, 529 Fenner, C. N.: see Hrdlička, A. Ferghana, Region of Glaciers

Eastern — D. Mushketov, 631* Fernández, S. C., 880 Fernow, B. E., 312*, 549*, 784*, 863,

Ferrandi, I., 389*

Fessler, A., 865* Fesskes, J. W., 707*; —, Hrdlička, A. and Others, 393*; Personal, 767

Fez: ¶Les deux capitales du Maroc: Fès et Merrakech. H. Bardon, 70* Fezzan: Tesân und seine Zukunft. E. Banse, 552*

Fibers, Vegetable: ¶ Weltproduktion von Pflanzenfasern ausser Baum-wolle 1908 bis 1912, 795*

Ficker, H. v., 227, 309 Field, A., 774 Filchner, W. — 's A 's Antarctic Exp., Filchner, 137; No New Filchner Exp., 619

Filek, E. v., 394* Filial Piety: ¶Le Livre de la Piété Filiale. Traduit par Lieut. P. Babé, 474*

Filippi, F. de, 460, 690; - 's Karakoram Expedition, 764

Filley, -, Personal, 619 Finch, R. J. see Piggott, H.

Findlay, Ohio, Deep Wells at —. D. Dale, 944*; Note on Temperature in the Deep Boring at —. J. Johnston, 944*

Finegan, P. M., 470*

Finistère, Géographie du Département du —. P. Joanne, 942*

FINLAND: ¶ Erdbeben und Erschütterungen in Finland, 1904-11.
J. E. Rosberg, 952*; Über eine Gangformation von fossilien-führendem Sandstein auf der Halbinsel Angbergsöda-öjen im Kirchspiel Saltvik, Alands-Inseln. V. Tanner, 952*; Hydrographische Beobachtungen in den Finland umgebenden Meeren. R. Witting, 315*; Eine Karte über die Moore der südlichen Hälfte von -. E. A. Malm, 952*; Im nördlichen Finland. Pudor, 952*; Präcisionsnivellement, 1892-1910. E. Blomqvist and H. Renqvist, 952*; Quartäre Niveau-schwankung in Ost-Finland. W.W. Wilkman, 953*; Studier i Finland. W. W. Wilkman, 953*; Studier i Finlands Antropologi. V: Westfinnische Völkergruppe. F. W. Westerlund, 952*; Untersuchungen über Porsuchungen phyrgeschiebe aus den glazialen Ablagerungen des südw. Finlands. H. Hausen, 952*; Über die Verteilung einiger Vegetationslinien im Finnländischen Enontekis-Lappmarken. V. Tanner, 952*; Verzeichmarken. V. Tanner, 952"; Verzeichnis der wichtigsten Stromschnellen Finlands mit Angaben über ihre Länge, Fallhöhe, usw. 953*; Wetterlage während der Frostnächte, 1892-94, R. Jurva, 952*

FINLAND, GULF OF: ¶Untersuchungen über die Eisverhältnisse

im Finnischen Meerbusen und im nördlichen Teile der Ostsee, 1897-1902. H. Karsten, 72*; Zusammenfassende Übersicht der Hydrographie des Bottnischen und Finnischen Meerbusens, usw. R. Witting 153*

Finley, J. P., 390*, 470* Fischer, G., 950* Fischer, J., 75*

Fischer, Th., 862
Fisher, O., 873*
Fisheries: ¶La pêche chez les peuples
primitifs. R. Legendre, 394*; Die
Fischerei. A. Oppel, 795*; The Fishing Banks off Our Atlantic Coast. G. C. Curtis, 413

Fleet, J. S., 793* Fleure, H. J., and Whitehouse, W. E., 781*

Fleury, E., 148*

Fluiders, Captain Matthew: ¶ Historical Sketch of the Life of the Late —. G. G. McCrae, 234*; The Work of — in Port Phillip. T. W. Fowler, 949*

linders River: ¶La capture de la haute Flinders. J. V. Daneš, 72* Flinders River: ¶ Map: Croquis de la Vallée su-périeure de la Flinders. J. V. Daneš, n., 319*

FLOODS: ¶Cause of Floods and Factors that Influence their Intensity. D. W. Mead. 634*: W. Mead, 634*; ivers. A. J. Henry, 634*: Floods and Rivers. 616; Ohio River Floods of 1913. R. M. Brown, 500

Florence: ¶Der mittelalterliche Welthandel von Florenz in seiner geographischen Ausdehnung (nach der Practica della Mercatura des Balducci Pegolotti). E. Friedmann, 232*

FLORIDA: ¶ Agricultural Statistics. 12th Biennial Report of Dept. tics. 12th Biennal Report of Dept. of Agric. of the State of Florida, 1911 and 1912, 708*; Agriculture: By States, 13th Census U. S. for 1912, 228*; Classification of the Soils of Florida. E. H. Sellards, 708*; Climatological Service, Append Support 708*. From Annual Summary, 708*; glades of —. Acts, Reports, etc. Relating to Their Reclamation, 69*; Everglades and Other Essays relating to S. — J. Gifford, rev., 293; Population. Composition and Characteristics, Census 1910, 467*; South -: A Geographic Reconnaissance. J. W. Harshberger, 68*; The Track of Ponce de Leon in 1513. L. D. Scisco, 721

Föhn: see under Winds.

Fohs, F. J., 146*
Föllmer, W., 629*
Font, Pedro, Diary of —. The Anza Expedition of 1775-76. Edited by F. J. Teggart, 626*

Fontainebleau et la forêt. (Guides Joanne.) Em. Semence, 942* Foochow, Report for 1912 on the

Trade of ___, 790* Foord, J., 943*

Footner, H., 384 Ford, W. E., 386 Fordham, H. G., 73* Forel, François Alphonse, Obituary,

FORESTS AND FORESTRY: Distribution mondiale des fôrets. L. Dumas, 874*; Forest Fires: Their Causes, Extent and Effects, with Summary of Recorded Destrucwith Summary of Recorded Destruc-tion and Loss. F. G. Plummer, 387*; Forestry, a Fundamental In-dustry. G. Pinchot, 155*; Use of Geology to the Forester. C. B. Crampton, 875*; Handbook of For-estry. W. F. A. Hudson, n., 706; International Congress of Forestry, 51; Spread of the Forestry Move-ment. H. S. Drinker, 474*; Theory and Practice of Working Plans (Forest Organization). A. B. Recknagel, n., 782; Verhältnis des Waldes und des Gebirges zur Erhaltung des Schnees. J. E. Church, 874*

Forfarshire. (Cambridge County Geographies). E. S. Valentine, n., 465
FORMOSA: ¶ Les aborigènes de Formose. R. Torii, 151*; Forestry in —. R. Kanehira, 151*; Aus Formosa. Ergebnisse einer Studienreise, 1909. A. Hoffmann, 390*; Icones of the Plants of Formosa, and Materials for a Flora of the Island, Based on Study of Collections of Botanical Survey of -. B. Hayata, No. 1, 151*; No. 2, 470*; The Silent War in Formosa. S. Ishii, 790*

Forrest, A. S., and Koebel, W. H., 457

Forrester, R., 478 Fort Dearborn, Story of Old -. J. S. Currey, rev., 53

Fort Kearny, History of —. A. Watkins, 69*

Fossey, J. et Longnon, J., 942 Foster, M. H., 466*

Foster, M. H., 400*
Fouchier, L. and C. de, 553*
Fournier, E., 314*
Fowle, F. E. see Abbott, C. C.
Fowler, T. W., 949*
FRANCE: ¶La Cartographie des
Provinces de France 1594-1757.
H. G. Fordham, 73*; La Côte
d'Azur de Marseille à San Remo.
G. Requesia 865* études sur la G. Beauvais, 865*; Études sur le climat de la France. Régime des vents. A. Angot, n., 144; Le vent d'autan et ses rapports avec le marin. E. de Martonne, 632*; France. C. Headlam, n., 548; La France pittoresque du Midi. AlexisM. G., n., 66; French Geodesy. H. Poincaré, 393*; Generalization of Decimal System in France, 51; Glaciers in the French Alps, 765; Glaciers in the French Alps, 765; Guides Joanne. Em. Semence, 942*; Le massif central français et le massif de Bihar. Parallèle morpholo-gique. L. Sawicki, 72*; En suivant les côtes de Dunkerque à Saint-Nazaire. M. A. Hérubel, n., 705 ¶ Agriculture and Commerce: Farm Schools in France, Germany and Belgium, 471*; The Forestry of dand Belgium, 471°; The Forestry of —. W. H. Miller, 153*; Le commerce de la France avec ses colonies, 153*; Notre marine marchande. J. C. Roux, n., 309; Reports on Trade, Commerce, etc., of Various Consular Districts, 792*; Report for 1912 on the Trade of France, 950* Geography: ¶Congrès National des Sociétés Françaises de Géographie, 1911, Compte Rendu, 792* Geographies of Various Départements by A. A. Joanne and P. Joanne, 942*; La France. Géographie illustrée. P. Jousset, n., 66; Relations de la France du nord avec l'Amérique (Esquisse de géographie commerciale). A. Demangeon, 792*
Historical: ¶Études d'histoire coloniale en France et dans les pays de colonisation française. H. Froidevaux, 950*; Origines et Formation de la Nationalité Française. A. Longnon, n., 781; Tremblement de terre de Plombières-Remiremont, 1682. Contribution à l'histoire des phénomènes sismiques en France. A. Uhry, 950* Maps:¶Carte de la Terre au 1,000.000e: (Edrope) Nord M 31: Paris, n., 160; Bathymetrische Karten von Frankreich zur Veranschaulichung der Richtigkeit bathymetrischer Karten überhaupt. J. Thoulet, n., 719; Carte des gisements de minerai en fer en Normandie, Anjou et Bretagne, 958*; Das nach der "Ora mari-tima" Aviens rekonstruirte Audemündungsgebiet in seinem Verhältnis zu dem nächstfrüheren und dem heutigen Hauptentwicklungsstadium. Auf Grundlage der Carte de France d'État Major. J. Frank, n., 798 French Colonies: années de politique coloniale. Chailley-Bert, n., 309; Aux Colonies, Impressions et Opinions. Ch. Hoarau-Desruisseaux, rev., 61; Études d'histoire coloniale en France et dans les pays de colonisation française. H. Froidevaux, 950*; France-Cont'd. Les produits coloniaux. Origine. production, commerce. G. Capus et D. Bois, rev., 216; France. Questions Coloniales (1900-1912). Régismanset, rev., 61; Statistiques du Commerce des Colonies Françaises: (for 1909 and 1910) 148, 149, 151, 230, 391, 468, 469, 788 [listed also under each respective colony.] Statistiques générales des Colonies . . . 1910. Rapports sur le Commerce, 153*; Statistiques de l'industrie minière dans les Colonies . . 1909, 153* Franck, H. A., 858 Franconia, Lower: @Boden und

Klima auf kleinstem Raum. Kraus, rev., 377 Frank, J., 798 Franz Josef Land, French Expedition

France Josef Land, French Expedition to —, 372
Fraser, A. Z. (A. Spinner), 774
Fraser, M., 792*
Frech, F., 380, 871*
Freeman, W. B., La Rue, E. C. and

Padgett, H. D., 228* Freire-Marreco, B. and Myres, J. L., 386

French Colonies: see under France. Frew, D., 65, 219 Friederichsen, M., 231*, 555*, 868* Friederici, G., 704, 859 Friedlaender, I., 232* Friedmann, E., 232*

Fritsche, H., 234*, 794*, 875* Friuli, La Popolazione in —: Densità.

F. Musoni, 144* Froidevaux, H., 950*

Frost Fighting, 445* Fry, G. C., 941*, 942* Fryer, J., 308

Fuente-Álamo (Albaceta), Geología y Prehistoria de los Alrededores de -

D. J. de Cisneros, n., 548 Fuller, M. L., 395; — an F. G., 625*

Fuller, Sir Bampfylde, rev., 537 Futa-Jallon: ¶Rivières du Sud-Fouta-Dialo. A. Arcin, 629* Fyfe, H. H., 779*

Gaàl, E., 713* adun: ¶Le Gabon. Extrait des souvenirs d'André Coffinières de Nordeek, 150*; Mission d'Études du chemin de fer du Nord du Gabun: Gabon. Périquet, 787* Gadewohl, A., 554*, 639

Gagelmann, F., 792* Gaisser, K., 150*

Galcescu, Sondage et analyse des

boues du Lac — (Karpates méridionales). E. de Martonne and M. Murgoei, 472*

Gale, H. S., 146* Gale, J. S., 552*

Galitzin, Prince B., 794*
Galla: ¶L'islamisme chez les Gallas.

G. Perrott, 787*

Galli, P., 157 Gallois, E., 787* Gallois, Le: see Le Gallois. Galvão, S. de Vasconcellos, 459

Game Animals: ¶Big Game Shooting in India, Burma and Somaliland. V. M. Stockley, rev., 777

Gammell, S. J., 392* García, G. and Maudslay, A. P., 144 Gard, Carte des Régions naturelles du Département du -, n., 718

Gard, Col., 629* Gardner, J. H. and Jones, S. C., 146* Garneau, F.-X., 932

Garneau, H., 932

Garnett, L. M. J., 782 Garrett —, 71* Garrett, R. E. see Ohern, D. W.

Garrett, R. E. see Gilen, B. W. Garvens, W., Jr., 945*
Gaster, Rev. M. see Giles, H. A. Gautier, E. F., 717, 787*
Gavazzi, F., 792*
Gaylord, F. A., 147*
Gazelle Peninsula:

¶ Die Gazelle-Halbinsel. W. Wernicke, 553*

Gebauer, A. K., 71*
Gee, L. C. E., 72*, 712*
Geer, G. De: see De Geer, G.
Geer, S. De: see De Geer, S. Geerligs, H. C. Prinsen, 381 Geese and Ducks, Saving the -. W.

W. Cooke, 555* Gehne, H. 75*, 548 Geiger, L. and Gutenberg, B., 393*

Geikie, James. (I. Eminent Living Geologists), 715* Geldern, D. H. von, 629* Gennep, A. van, 790*

Gennevaux, M. see Roman, F. Genoa: ¶ Report for 1912 on Trade of the Consular District of —, 951* Genoa, Gulf of, Map: ¶ Carte des pré-

cipitations annuelles dans la région du golfe de Gênes, n., 160

Genoa, Nev., Recent Fault Scarps at —. A. C. Lawson, 707*

at —. A. C. Lawson, 707* Genthe, M. K., 33 Gentil, L., 158, 313*; —: Itinéraires entre l'Oued Tensift et Agadir (Map), n., 158

GEODESY: see also Surveying: Die äquatoriale und die arktische Meridianbogenmessung. E. Hammer, 873*; French Geodesy. Poincaré (transl.), 393*; H. 393*; Geo-

Geodesy.—Cont'd. däsie. Eine Anleitung zu geo-dätischen Messungen für Anfänger mit Grundzügen der Hydrometrie usw. H. Hohenner, 943*; Geodätische Instrumente. Heft 3: Mikroskop-Theodolite. A. Fennel, 548*; Geodesy. Effect of Topography and Isostatic Compensation upon Intensity of Gravity (second paper). W. Bowie, rev., 62; Geod-etic Surveying and the Adjustment of Observations (Method of Least Squares). E. L. Ingram, 943*; Laerebog i Geodaesi til Brug ved Undervisningen i Stabsafdelingen ved Herens Officerskole. Johansen, 943*

Geodetic Association, Intern.: Intern. Geogetic Association

Geodetic Astronomy: ¶ Determination of Time, Longitude, Latitude and Azimuth. W. Bowie, rev., 701

Geographers, Awards to —, 206 Geographic Cycle, Deflative scheme of the — in an Arid Climate. C. R. Keyes, 235*

GEOGRAPHICAL CONGRESS-ES: ¶Congrès National des So-ciétés Françaises de Géographie, 1911, Compte Rendu, 792*; The Tenth International Geogr. Congress, 524; -. G. Chisholm, 954*; X Congresso Geografico Internazionale (Roma, 27 marzo-3 aprile 1913). P. Schiarini, 635*; Amer. Geographical Discovery, A History

of - in the 17th and 18th Centuries. E. Heawood, rev., 383 Geographical Exhibition at Teachers College, 135

Geographical Exploration: ¶ Guide scientifique du Géographe-Explor-P. Crépin de Beauregard, n., 782

EOGRAPHICAL LITERA-TURE AND MAPS, Accessions to the Library, 53, 139, 207, 291, 373, 454, 531, 621, 694, 768, 858, 931 GEOGRAPHICAL 931

GEOGRAPHICAL NOMENCLA-TURE: ¶Addenda to Canadian Toponomy, 48; Les cantons de la Province du Québec: Nomenclature. F. X. Fafard, 945*; Geographic Board of Canada: Decisions, 627*, 867*; 11th Report of — for Year ending June 30, 1912, 550*; Geographic Board of the United States: Decisions, 229*, 467*, 867*, 708*; Geographical Nomenclature of American Samoa. W. Churchill, 187; Island Names in Melanesia. W. H. R. Rivers, 152*; The Name China. S. Laufer, 390*; L'origine du nom de "Chine." P. Pelliot, 390*; Nomenclature géographique. E. Rouillard, 155*; géographiques sauvages. Etymologie et traduction. E. Rouillard, 394*; Ortsnamen im Deutschen. Ihre Entwicklung und ihre Herkunft. R. Kleinpaul, n., 781; Orthographie et transcription des noms sur la carte intern. de la terre à l'echelle de 1/1,000,000. P. Pollacchi, 873*; Per l'ortografia italiana dei nomi coloniali, 954*; A Pronouncing Vocabulary of Geo-graphical Names with Notes on Spelling and Pronunciation and Explanatory Lists of Derivations. G. G. Chisholm, n., 309; Revisione toponomastica della Carta topografica d'Italia alla scala di 1,000,000. C. Porro, 872*; Per la trascrizione dei nomi geografici. Rapporto X. Congresso geogr. intern. G. Ricchieri, 954*

GEOGRAPHICAL PAPERS. CURRENT:

North America, 67, 146, 227, 310, 387, 466, 549, 625, 707, 783, 866, 944

Central America and West Indies, 70, 148, 229, 468, 550, 785,

South America, 148, 229, 311, 388, 468, 551, 627, 709, 786, 868, 946

Africa, 70, 149, 230, 312, 388, 469, 551, 628, 710, 787, 868, 946

Asia, 71, 151, 231, 314, 390, 470, 552, 631, 711, 789, 870, 946

Australasia and Oceania, 72, 152, 232, 391, 470, 553, 712, 791, 871, 949

Europe, 72, 153, 232, 314, 391, 471, 553, 632, 712, 792, 872, 949
Polar Regions, 74, 233, 315, 472, 554, 714, 872, 954

World and Parts of It, 393, 554, 714, 872, 954

Anthropogeography, 154, 233, 394, 474, 634, 875

Biography, 234

Economic and Commercial Geography, 75, 154, 394, 474, 555, Commercial

General, 155, 635, 715, 954 Geomorphology, 554, 794, 874 Geophysics, 393, 794, 873 Historical Geography, 394, 634, 715, 875

Geogr. Papers Current-Cont'd. Mathematical Geography and Cartography, 75, 234, 393, 473,

554, 873 Meteorology and Climatology,

555, 794, 874 Oceanography, 394, 874 Physical Geography, 74, 155, 234, 473, 634, 954

Physiography, 393

Phytogeography and Zoogeography, 555, 874

Teaching and Methodology, 395, 474, 635, 875, 954 Geographical Place Determination: ¶Kartographische Aufnahmen und geographische Ortsbestimmung auf Reisen. R. Hugershoff, 943* GEOGRAPHICAL RECORD, 45,

131, 196, 285, 365, 442, 522, 613, 687, 760, 849, 924

GEOGRAPHICAL SOCIETIES: ¶Geographical Society of Rio de Janeiro, 762; — of Wisconsin, 761; Semi-Centennial of the Dresden Geographical Society, 202

Geographical Study of a Street:

Grenoble. Le Cours Berriat. C.

A. Roux, 632*

Geographical Surveying, Some New and Improved Instruments and Apparatus for —. E. A. Reeves, 554*

GEOGRAPHY: Association of Students of Geography at the University of Berlin. E. Wunderlich, 616; But et méthodes de la géographie scientifique. J. J. Sederholm, 954*; L'esprit explicatif dans la géographie moderne. W. M. Davis, 474*; Des caractères distinctifs de la géographie. P. Vidal de la Blache, 954*; La Geografia nel Cinquecento. P. Revelli, 634*; Cinquecento. P. Revelli. 634*; Geographie. E. Banse, 474*; Geographische Anschauung. A. Hettner, 475*; Geographical Visualization (summary of preceding article), 921; Geography at the British Association. A. E. Reeves, 475*; Geography at the British Association, 475*; New Departure in Geography. C. R. Dryer, 474*; The New Science of Geography. E. Huntington, 641; Über die Geographie. E. v. Cholnoky, 474*

Geography Teaching: ¶Some aspects of Geographical Work in the Supplementary Stage. T. L. Millar, 875*; Cours primaire de géographie appuyé sur la topographie, 875*; Der Gang des geographischen Unterrichts auf der Unterstufe höheren Schulen. P. Wagner, 155*;

Der Geographie-Unterricht auf höheren Schulen. A. Penck, 395*; Geography in American Universities. H. L. Winsted, 475*; ties. Columbia's Summer School, 450; Summer Courses in American Universities, 527, 619, Vacation Courses at Hamburg, 617; Influencia de la enseñanza de la Geografiaen la politica exterior de las Naciones. J. Ricart y Giralt, 475*; Use of Statistics in the Teaching of geography. B. C. Wallis, 395* 475*; On the Teaching of the Cycle of Land Forms. C. B. Faw-Cycle of Land Forms. C. B. Faw-cett, 635*; Teaching Geography to the Blind. P. Villey, 528; Teach-ing of Geography and History as a-Combined Subject. H. J. Mac-kinder, 875*; A Working Erosion Model for Schools. D. C. Ellis, 474*

Geography, Text-Books: ¶ Blackie's Elementary Regional and Practical Geographies. D. Frew, rev., 219; A Class Book of Practical Geography. E. Young and J. Fair-grieve, rev., 219; Columbia Ele-mentary Geography. S. C. Schmucker and L. Nusbaum, n., 223; Commercial Geography. General General and Regional. J. F. Unstead and E. G. R. Taylor, rev., 64; Descriptive Geography from Original tive Geography from Sources, Selected and Edited by F. D. Herbertson, A. J. Herbertson and L. Jowitt, n., 386; Dent's Historical and Economic Geographies. Book 1. World Studies. H. Piggott and R. J. Finch, 218; Elements of Geography. R Salisbury, H. H. Barrows W. S. Tower, rev., 220; General and Regional Geography for Students. J. F. Unstead and E. G. R. Taylor, rev., 221; Geographical Notes. R. E. Dodge, rev., 543; Géographie à l'usage des Candidats à l'École Supérieure de Guerre et aux Écoles militaires. P. Boissier, part 2, n., 783; A Geography of the World. B. C. Wallis, rev., 218; A Handbook of Geography. Vol. 1. A. J. Herbertson, rev., 222; High School Geography. Part 3: Regional Geography. C. R. Dryer, rev., 218; Geography by Grades. H. B. Niver and E. D. Farrell, rev., 220; Laboratory Manual of Physical Geography. R. S. Tarr and O. D. von Engeln, rev., 702; Rabenort's Geographies. W. Rabenort, rev., 221; La Terre. Géographie générale. P.

Geography—Cont'd.
Camena d' Almeida, n., 386; The
World. Regional Geography. J. B.

Reynolds, rev., 382

Anthropogeography: caractère propre et du caractère complexe des faits de géographie humaine. J. Brunhes, 394*; Geo-graphical Factors Controlling the Sites of Towns. J. W. Page, 394*; La Géographie Humaine. Essai de classification positive. J. Brunhes, rev., 698; Human Response to Georev., 698; Human Response to Geo-graphical Environment. W. M. Davis, 474*; Hygiene im Welt-verkehr. R. Pöch, 394*; Man and the Earth. A simple reader in human geography. J. W. Page, 145*; Presidential Address [mainly the influence of geographical conditions upon human development.]
G. R. Parkin, 394*; Le Sol et l'État. (Géographie Sociale.). C.. Vallaux, rev., 216; Specific Characteristics and Complex Character of Subject-Matter of Human Geography. J. Brunhes, 875*; Studi di Antropogeografia generale. I. Studi sulla distribuzione dei caratteri e dei tipi antropologici. R. Biasutti, 634*; La Transhumance: Étude de géographie humaine. E. Fritsché,

Economic and Commercial Geography: ¶ Bemerkungen über die Verkehrsgeographie im allgemeinen und die der Ostsee im besonderen. G. Braun, 232*; Business Geography. J. H. Birrell, n., 145; "Cartographie Documents of Economic Geography" (New Publ.), 852. Commercial Course for High 853; Commercial Course for High Schools. P. H. Neystrom, 395*; Commercial Geography as a Secondary School Study. R. H. Whitbeck, 475*; Congress of Commercial Geography in Spain, 618; Fragen der Ver-kehrsgeographie. R. Hartner, 394*; Geografia commerciale ed economica. B. Cessi, n., 227; Geografia commerciale, economica, universale. commerciale, economica, universale. P. Lanzoni, n., 385; Hygiene im Weltverkehr. R. Pöch, 394*; Geography in the U.S. Forest Service, 760; Zur Problem der wirtschaftsgeographischen Karten. O. Nemeček, 234*; Wirtschaftsgeographie in Verbindung mit Staatsbürgerkunde für kaufmännische Fortbildungsschulen. W. Becker, n., 227; Wirtschaftsgeographische und handelspolitische Bedeutung der Weltmeere. M. Eckert, 474*

Historical Geography: QDie geographischen Vorstellungen im Altertum. E. v. Filek, 394*; Historische Geographie und Geschichte der Erdkunde. S. Günther, 475*

Paleogeography: ¶Sediment-

Physical Geography: ¶Sediment-petrographie im Dienste der Paläo-geographie. K. Andrée, 954* Physical Geography: ¶Grund-züge der Physiogeographie. Auf Grund von W. M. Davis' ''Physical Geography'. Geography'' neu bearbeitet. W. M. Davis und G. Braun, rev., 940; Landjordens Fysiske Geografi. H. Reusch, n., 67; Das Experiment in der physikalischen Geographie. K. Sapper, 794*; Physiogeographie und Vergleichende Landschaftsgeographie. S. Passarge, 874*; Testo Atlante di Geografia. Geografia fisica generale; etc. A. Mori, n.,

Phytogeography: ¶ Excursion of International Phytogeographers about New York City. J. W. Harshberger, 847; Introduction to Plant Geography. M. E. Hardy, 943*

Zoogeography: ¶Atlas of Zoogeography. J. G. Bartholomew, W. E. Clarke and P. H. Grimshaw, rev., 43; Physiologische Tiergeographie. L. Waibel, 555*

Geologic Periods, Delimitation of the — illustrated by Paleography of North America, C. Schuchert, 944*; Zeitrelationen in der Geologie. Hilber, 235*

GEOLOGICAL CONGRESS: The XIIth Intern. Congress of Geology, 205, 853; Delegates of the Amer. Geogr. Soc. to the Twelfth Intern. Geol. Congress, 366; Western Excursion of the —, 523 Geological Surveying: ¶Training Col-

lege Students in Field Work, 206 Geologists: Eminent Living -: Dr. Eduard Suess, 234*; James Geikie,

715* GEOLOGY: ¶Geologisches Wanderbuch. K. G. Volk, n., 466; Use of — to the Forester. C. B. Crampton, 875*; Handbuch der Regionalen Geologie. 7. Band, 2. Abteil: Oceania. P. Marshall, n., 67; Lehrbuch der Geologie. E. Kayser. 4. Auflage. 1. Teil: Allgemeine Geo-logie. 2. Teil: Geologische Formationskunde, rev., 64; Zeitrelationen in der Geologie. V. Hilber,

GEOMORPHOLOGY: : ¶ Entste-A. Hettner. hung des Talnetzes. A. Hettner, 634*; Die Formen der Landober-

Geomorphology—Cont'd. fläche und Verschiebungen der Klimagürtel. A. Penck, 474*; Erklärende Beschreibung der Landformen. W. M. Davis, rev., 63; Nomenclature of Surface Forms on . Faulted Structures. W. M. Davis, 874*; Notes on the Description of Land Forms. W. M. Davis, 360; Report of Committee on Nomenrelature of Faults. H. F. Reid, W. M. Davis, and Others, 874*; On the Teaching of the Cycle of Land Forms. C. B. Fawcett, 635*; La Théorie du Bloc-Diagramme. P.

Castelnau, 393* Geophysical Journal, 1911, comprising daily values of meteorological and geophysical elements observed at Central Obs., Magnetic Obser. and Western Observatory, together with wind components etc., 874*

Georges Bank: ¶ Fishing Banks off our Atlantic Coast. G. C. Curtis, 413

GEORGIA: ¶Contribution to Geology and Mineralogy of Graves Mtn. T. L. Watson and J. W. Watson, 708*; Population. Composition and Characteristics, Census 1910, 467* Preliminary Report on Mineral Springs of —. S. W. McCallie, 866*; Statistics of Agriculture, Census 1910, 228*; Third Report on Public Roads. S. W. McCallie, 68*; ¶Map: Bailey Cut to Burnt Fort, Satilla R., n., 316

Gerini, G. E., 624 Gerlache, A. de, 698 Gerland, G., 66

Germain, L., 72*, 159*, 555*, 874

German Colonies: see under Germany. German East Africa and German Southwest Africa: see under Africa. ¶German New Guinea: see under New Guinea.

Germann, P., 313*

GERMANY: ¶ Beziehungen Bodenbeschaffenheit schen Volksdichte auf der baltischen Seen-platte zwischen Oder und Weichsel. E. Wahnschaffe, 950*; Kartogra-phische Darstellung der Volksdichte. K. Closterhalfen, 75*; Geograph. Verteilung der Eis-, Frost- und Hitzetage. W. Richter, 472*; Jahrb. der meteor., erdmagnetischen, und seismischen Beobachtungen, 1910, 73*; Eisverhältnisse an den deutschen Küsten im Winter 1912-13. O. Steffens, 950*; Flora von Deutschland und Fennoskandinavien sowie von Island und Spitzbergen. F. Hermann, n., 308; Grundsätzliche Bemerkungen neueren ethnogeographischen Karten des Deutschtums, W. Peszler, 234*; Zur Herdtiefe des süddeutschen Erdbebens vom 16, Nov. 1911. A. Schmidt, 472*; Mitteleuropäisches Erdbeben vom 16. Nov. 1911 und seine Beziehungen zum geolog. Aufbau Süddeutschlands. R. Lais and A. Sieberg, 472*; Koblenzer Fragmente zweier handschriftlichen Karten von Deutschland aus dem 15. Jahrhundert. A. Wolkenhauer. rev., 303; Küstenverlagerung und Meeresströmung zwischen Rügen und Alsen. H. Spethmann, 73*; Monatskarten der Deutschen See-warte für den Nordatlantischen Ozean. G. Schott, 873*; 35. Jahresbericht über die Tätigkeit der Deutschen Seewarte für das Jahr 1912, 472*; Die norddeutschen Moore. B. Tacke and B. Lehmann, n., 465; Northern Germany as far as Bavarian and Austrian Frontiers. Handbook for Travelers. K. Baedeker, 548*; New Navigable Route Connecting Berlin and Stettin. P. Arbos, 928; Parallelismus der Leitlinien Deutschlands. T. Arldt, 472*; Pflanzengeographische Wandlungen der deutschen Landschaft. H. Hausrath, rev., 301; Present State of Motor Cultivation in—. G. Fischer, 950*; Der Rhein-Marine-Kanal. Doell, 793*; An der See. Geologisch-geogr. Betrachtungen, usw. P. Dahms, rev., 305; Stat. Jahrbuch für das Deutsche Reich, 1912, 73*; Vierteljahrshefte zur Statistik des Deutschen Reichs, No. 1-4, 1912, 713*; Unsere Mittelschul-Atlanten. K. Hüttl, 393* Villages: **Cities** and deutsche Dorf. R. Mielke. 781; Formen der deutschen Dörfer und ihre Verbreitung. A. Wolkenhauer, 950*; Die Deutschen Gross-städte. K. Olbricht, 950*; Die Deutschen Städte und Bürger im Mittelalter. B. Heil, n., 865; Ortsnamen im Deutschen. Ihre Entwicklung und ihre Herkunft. R. Kleinpaul. n., 781 ¶ Econ. and Comm. Geogr.: Deutsches Wirtschaftsleben auf geogr. Grundlage geschildert von Dr. C. Gruber. Neubearbeitet von H. Reinlein, rev., 860; Farm Schools in France, Germany and Belgium, 471*; Progress and Results of Fruit-Growing in Germany. A.

Germany—Cont'd.
Lorgas, 713*; German Iron and
Steel Industries and the Question
of Cartels, 713*; Report for 1912
on the Trade of Germany, 793*; dung mit Staatsbürgerkunde für kaufmännische Fortbildungsschulen. 1. Teil: Das deutsche Wirtschaftsleben; 2. Teil: Deutschlands Stellung in der Weltwirtschaft. W. Becker, n., 227 ¶Maps: Deutsche Grossstädte als geogr., polit. und wirtschaftl. Einheiten. K. Olbricht. 1. Maps of 23 City Groups, 2. Umgebungskarte v. Berlin, n., 798; Karte der Deutschen Wasserstrassen unter besonderer Berücksichtigung der Tiefen- und Schleusen-Verhältnisse. Ing. Sympher and Maschke, n., 319; Magnetische Karten vom Deutschen Reich, 1912. 1. Blatt: Linien gleicher Horizontalintensität für 1. Jan., 1912. 2. Blatt: Linien gleicher nördlicher Inklination. K. Haussmann, n., 398; 3. Blatt: Linien gleicher westlicher Deklination für 1. Jan., 1912. K. Haussmann, 480*; Probeausschnitte aus Vogels Karte des Deutschen Reichs und der Alpenländer, n., 798; Stand des Deutschen Seekartenwerkes, 1911, n., 640; Temperaturanoma-lien und Luftdruckverteilung im Hochsommer und Frühherbst 1911 und 1912. A. Knörzer, 719*; Übersichts-Blatt zu der Karte des Deutschen Reiches, im Massstabe 1:100,000, n., 397; Übersichtsblatt zur topogr. Übersichtskarte des Deutschen Beiches aus 2007. Deutschen Reiches, n., 397; Volksdichte des Regierungsbezirkes Arnsberg 1910. K. Closterhalfen, n., 79; 1:100,000 topographic map, 79; 1:100,000 topographic map, Kgl. Preuss. Landesaufnahme, 443* Colonies: Chemin de fer du Tanganika et les chemins de fer coloniaux allemands, 230*; D. v. Lindequist und die Besiedelung der deutschen Kolonien, 951*; Forests and Forestry in German Colonies.

[Africa.] B. E. Fernow, 312*;
Eisenbahnbau in den Kolonien.

Schlübmann, 951*; German Colony
in China. L. Hamilton, 71*; Jagdrecht der deutschen Schutzge-E. Lüders, 951*; Neue biete. Kulturpflanzen zum Anbau useren deutschen Kolonien. 1. Mango-Baum und seine Frucht. K. Perrot, 951*; Unser Kolonial-wesen und seine wirtschaftliche Badeutung. Chr. Grotewold, n., 67;

Unsere Kolonien, rev., 459; Unsere Schutzgebiete nach ihren wirt-schaftlichen Verhältnissen. C. G. Barth, 943*

Gerstenhauer, M. R., 469*
Gettysburg, Large Map of —, 616

¶ Map: Gettysburg Battlefield and
Vicinity, n., 956
Geyer, F. X., 694
Geysers. W. H. Weed, 784*
Ghezzi, C. and Näf, J., 953*
Gibbone, Cardinal of Gibbone, 14

Gibbons, Cardinal: see Giles, H. A.

Gibbons, H. H. C., 233* Gibbs, H. D. and Agcaoili, F., 552* Gibson, C. C. see Simpson, E. S.

Gibson, J. Y., 297 Giffin, C. E. see Witherspoon, D. C.

Gifford, J., 293
Gilchrist, J. D. F. and Thompson, W. W., 711*
Giles, H. A., 66
Giles, H. A.; Rhys Davids, T. W.;
Mann, O.; Lyall, Sir A. C.; Menant, D. Griffor Sir, Level, Hyricon F. D.; Griffin, Sir Lepel; Harrison, F.; Ross, E. D.; Gaster, Rev. M.; Gladden, W.; Cardinal Gibbons, 307

Gioli, G. B., 313*

Gironcourt, G. de., 629*
Gironde, Influence de l'océan sur le
climat de la —. A. Hautreux, 472*
Glacier National Park, General Information Regarding — 1913, 784*; Some Lakes of —. M. J. Elrod, 783*

AND GLACIERS GLACIOL-OGY: ¶Alaskan Glaciers in Relation to Life. L. Martin, 801; Glaciers and Glaciation of Alaska. R. S. Tarr, 760*; An Effort to Control a Glacial Stream. R. S. Tarr and L. Martin, 760*; Glaciers in the French Alps, 765; Gletscher einst und jetzt. (Aus der Vorzeit der Erde). F. Frech, rev., 380; Observations et théories récentes sur la structure et sur le mouvement des glaciers alvins.

A. G. Ogilvie, 954*; Some Notes on my 1912 Expedition to the Siachen or Rose Glacier. F. B. Workman, 151*; Some Recent Observations and Theories on the Structure and Movement of Glaciers Structure and Movement of Glaciers of the Alpine Type. A. G. Ogilvie, 235*; Variations périodiques des Glaciers. Rapport, 1911. C. Rabot, 74* ¶ Glacial Erosion: Conditions de l'érosion glaciaire alpine. E. de Martonne, 473*; Glacial Erosion in San Juan Mts., Colo. T. C. Hopkins, 68*; Le problème de l'érosion glaciaire. P. Morin, 555* ¶Glaciation: Einfluss des Eises

Glaciers, etc.—Cont'd. auf die Ausgestaltung der Hochgebirgstäler. A. Mahlke, 874*; Études glaciaires dans les Kar-pates. L. Sawicki, 154*; For-schungen am Vatnajökull auf Island und Studien über seine Bedeutung für die Vergletscherung Nord-deutschlands. H. Spethmann, 74*; Glacial Deposits of the Continental Type in Alaska. R. S. Tarr and L. Martin, 783*; Glaciation in Northwestern Alaska. P. S. Smith, 228*; Glaciation in the Telluride Quad., Colo. A. D. Hole, 147*; Die clasicale and the color of the colo glaciologischen Beobachtungen der Danmark-Expedition. J. P. Koch and A. Wegener, rev., 938; Notes sur l'évolution des vallées glaciaires alpines. E. de Martonne, 473*; Die periglaziale Fazies der mechanischen Verwitterung. W. v. Lozin-ski, 473*; Postglacial Earth-Movements about Lake Ontario and the Saint Lawrence River. J. W. Saint Lawrence River. J. W.
Spencer, 783; Results of Glaciation in Indiana. C. W. Shannon, 147*; Taltröge. J. Stiny, 74*
Gladden, Rev. W. see Giles, H. A.
Glaister, J., 394*
Gleason, H. A., Personal, 529
Gleditsch, K., 720*
Glenn, L. C., 68*
Gleyze, A., 941 Gleyze, A., 941 Globe, Thermal Regions of the —. A. J. Herbertson, 554*
Gobi Desert, A Trip across the — by Motor-Car. E. C. Le Munyon, 711* Goddard, P. E., 693 Goedhart, G. E., 868* Goes, Bento de, S. J.: Een Ondekkings-Goes, Bento de, S. J.: Een Ondekkings-reiziger in Centraal-Azie (1603-1607). C. Wessels, 151* Goethals, G. W., 693 Golder, F. A., 549* Göldi, E. A., 946* Goldthwait, J. W., 228*, 866 Gonner, E. C. K., 226, 548 Gonzalez, P. A., 148* González, R., 630* González, R., 630* Goode, J. P., Personal, 529 Goodrich, J. K., 696 Goote, C. and Willemaker, K., 720 Gordon, C. H., 625* Gordon, Dr., Personal, 620 Gotha Cartography, Notes on the History of —. M. K. Genthe, 33 Götz, J., 950* Gotz, J., 950° Götzinger, G., 949* Gould, C. N., Hutchison, L. I., and Nelson, G., 228* Gould, C. P., 625* Goulven, J., 388*, 628 Gowen, H. H., 695

Gowland, W., 474* Gowland, W., 44²
Grablovitz, G., 633*
Graefen, J., 799
Graham, S., 537
Graham, W. M., 547
Grand Canyon of the Colorado:

Grand Canyon of Arizona. Book of Words from Many Pens, etc., 388*; Granö, J. G., 71*, 858 Grant, C. F. and L., 142 Grant, L.: see Grant, C. F. Grant, M., Personal, 196 Grassmann, J., 948* Graves Mountain, Georgia, Contributions to Geology and Mineralogy of —. J. W. and T. S. Watson, 708* Gravier, G., 392* Gravier, Th., 864 GRAVITY: ¶Beitrag zur Theorie der isostatischen Reduktion der Schwerebeschleuningung. E. Hüb-874*; Genauigkeitsuntersuchungen über die Bestimmung der Intensität der Schwerkraft durch relative Pendelmessungen auf 9 Stationen des badischen Oberlandes und auf der schweizerischen Referenzstation zu Basel. J. Bürgin, 554 Gray, P., 80* Great Basin. Surface Water Supply of U. S. Part X. 1912. E. C. La Rue, F. F. Henshaw and E. A. Porter, 69*; — 1913. F. F. Hen-shaw, H. D. McGlashan and E. A. Porter, 549* GREAT BI BRITAIN.

See United Kingdom: ¶Archaeologia or Miscellaneous Tracts relating to Antiquity, 1912, n., 466; Ecology: The Best Method of Studying the The Best Method of Studying the Distribution of Species in Great Britain. C. B. Crampton, 793*; The Forest Trees of Britain. C. A. Johns, n., 705; Journal of Transactions of Victoria Inst. or Philosophical Soc. of Great Britain, 1912, 233*; Suggestions for Investigations in Human Geography in Britain. H. J. Fleure and W. E. Whitehouse, 781*; The Premier Road Book of —. A. Gross and F. Waite-Browne, 865*; Towns. Premier Road Book of —. A. Gross and F. Waite-Browne. 865*; Towns of Roman Britain. H. H. C. Gibbons, 233*

GREAT LAKES The Great Lakes, Their Harbors, Channels, and Navigable Tributaries, 626*; Handling of Iron Ore on the Great Lakes, 148* Lakes, 148* ¶Map: L'industrie du fer dans la région des Grands Lacs . . . d'après la carte de l'United States Steel Corporation,

GREECE: ¶ Lecture on Greece. M. Cock, 45*; Eine Reise nach Griechenland. E. Oberhummer, n., 385; L'oeuvre de la Ligue hellénique contre la malaria en 1911. C. Savas, 632*; Rambles and Studies in Greece. J. P. Mahaffy, 782* Greely, A. W., 232*, 233*; Personal,

767

Andrew Haswell, Life and Green. Public Services of -. J. Foord,

Green Mountain Region, General Account of the Geology of -. G. H. Perkins, 708*

F. F. Green R. Drainage Basin. Henshaw and G. L. Parker, 466*

Green, S. B., 532

GREENLAND: ¶Anthropogeographische Studien aus Grönland. M. C. Engell, 954*; Census of —, 766; Capt. Koch's Expedition, 852; Expedition to Northeast -, 1909-12... E. Mikkelsen, 714*; Exploration de Knud Rasmussen sur la côte nord du Grönland. C. Rabot, 954*; Glaciologische Beobachtungen der Danmark-Exp. J. P. Koch and A. Wegener, rev., 938; Lost in the Arctic. Story of the "Alabama" Expedition, 1909-12. E. Mikkelsen, rev., 862; Rasmussen's expedition in —, 618; Traversée du Grönland par le Dr. A. de Quervain. C. Rabot, 954* ¶ Maps: Map showing Route of E. Mikkelsen's Expedition, 1909-12, n., 560; Sketch Map to illustrate E. Mikkelsen's Expedition to N. E. Greenland, 1909-12, n., 560

GREENLAND SEA: ¶Croisière océanographique accomplie à Bord de la Belgica dans la Mer du Grönland, 1905. A. de Gerlache, rev., 698; Über Grönlands Eisberge. A. Heim, n., 705 ¶ Map: Fahrt der "Godthaab" nach Ostgrönland, n., 80

Gregory, H. E., 561, 786*, Personal,

Gregory, J. W., 391*, 540, 712*, 954* Gregory, W. M., Personal, 619 Greim, G., 950* Grenoble. Le cours Berriat: Étude

géographique d'une rue. C. A. Roux, 632

Gresson, B. F., Jr. and Staniford, C. W. 387*

Savaii, 1912. Nach Mitteilungen
— 's. K. Sapper, 553* Grevel, Matavanu auf

Gribaudi, P., 226, 311* Grice, J. W., 714*

Griffin, Sir Lepel: See Giles, H. A.

Griffith, — ., Personal, 619 Griffith, F. L., 389* Grimm, H., 780

Grimshaw, P. H. see Bartholomew. J. G.

Groebner, L., 384 Groll, M., 234*, 542*, 871*; ¶Grolls Tienfenkarten der Ozeane. Schott, 873*

Gross, A., 77; — and Waite-Browne, F., 865*

Grotewold, Chr., 67 Grothe, H., 860, 871, 937 Gruber, C., 860 Gruber, H., 781 Grund, A., 72*, 391*, 632*

Gruner, - , 789*

Gsell, S.: see Jacqueton, G.

Guadalajara, Mexico, The Recent -Earthquakes. E. Ordonez, 793*

Guadalquivir. Along Spain's River of Romance. P. Gwynne, rev., 377

Guadeloupe: ¶Guadeloupe et Dépendances. Statistiques du Commerce, 1910, 468*

GUATEMALA: ¶ Ackerbau in den Altos von Guatemala. K. Sapper, 550*; Commerce for 1911, 550*; Excavations at Quirigua. S. G. Excavations at Quirigua. S. G. Morley, 550*; E. Huntington's Morley, 550*; Visit to -, 199; General Descriptive Data prepared in June, 1910, 550*; Kaffee-Kultur. W. G. Hagnauer, 146*; Prehistoric Ruins of -. W. F. Sands, 550*

Guayaquil, A violent Earthquake at -, 446

Gubbins, J. H., 536

GUIANA: @British, Dutch, French. J. Rodway, rev., 216; Some Impressions of the Flora of — and Trinidad. D. H. Campbell, 148*

British Guiana: Ein Beitrag zur Entdeckungs- und Entwicklungs-Entwickungsgeschichte von Britisch-Guayana.
A. Bencke, 786*; Colony's Foreign
Trade: A Ten Years' Review. J.
Van Sertima, 229; Development
of — C. S. Parker, 786*; Forests
of N. W. District of Essequibo
County. C. W. Anderson, 312*; General Report on the Forests of the Easily Accessible Districts of -. C. W. Anderson, 312*; Gold Industry of —. W. A. Dunn, 229*; Indians of the N. W. District. Rev. Father Cooksey, 229*; Dr. Koch-Grün-berg's Explorations in the Northern Amazon Basin and the Guiana Highlands, 664; Moruca Indians. Rev. Father Lickert, 229*; Sanitation. D. Thomson, 785*

GUINEA: ¶ Beschryvinghe ende Historische Verhael van het Gout Koninckrijck van Gunea anders de Gout-Custe de Mina genaemt lig-gende in het deel van Africa. P. De Marees, 308*

French Guinea: ¶ Agriculture in French Guinea, 947*; Guinée Française, 869*; Histoire de la Guinée Française. Rivières du Sud-Fouta-Dialo. Région du Sud du Soudan. A. Arcin, 629*

Spanish Guinea: ¶Die Insel Annobon im Gulf von Guinea. A. Schultze, 789*; Meteorologische Beobachtungen aus dem Grenzgebiet von Kamerun und Spanisch-Guinea, 149* ¶Map: Die Insel Annobon im Golf von Guinea. Schultze, and C. Schmidt, n., 479
Gulf Stream, Conspectus of Power

and Control of the - with Elabo-

rated Plan. C. L. Riker, 634*
Gulliver, F. P., Personal, 530
Günther, A., 71*
Günther, S., 475*
Gutch Mrs. 286

Gutch, Mrs., 386 Gutenberg, B.: see Geiger, L. Gwynne, P., 377 Gyrostatic Compass. H. Marchand, 473*

Haan, F. de, 948* Habbema, J., 791* Habenicht, H., 639 Haberlandt, A., 154*, 634* Hadley, A. T., 715* Haghe, J. van de, 384

Hagnauer, W. G., 146*
Hague, A., 625*, 783*

HAITI; ¶Commerce of Haiti, 550*;
Great Earthquakes in the Island of -. J. Scherer, 945*; Notes on Remarkable Earthquake Sounds in Haiti. J. Scherer, 945*; Report for 1912 on Trade, Navigation, etc. 785*

Halbfass, W., 473* Hale, A., 311*, 468*, 709*

Halemaumau, Floating Islands of -.

F. A. Perret, 391*
Hall, A. B. and Chester, C. L., 941*
Hall, A. L., 230*
Hall, C. W., Memoir of —. L. Martin,

Hall, H. R.: see Naville, E. Hall, L. D.: see Mumford, H. W. Hall, M. R.: see Horton, A. H. Hall, W., 227 Halle, T. G., 464

Hallier, H., 633*

Haltenberger, M., 73*, 513 Hamberg, A., 953*

Hamburg: ¶ Hamburg Harbor. G. L. Colle, 392*; Vacation Courses in Geography at Hamburg, 617 Hamilton, L., 71* Hamites: ¶Hamitische Typen. F. v.

Luschan, rev., 771; Die Sprachen der Hamiten. C. Meinhof, rev., 771 Hammer, E., 312,* 873* Hammond, C. S., 800 Hankow, Report for 1912 on the Trade of — 700*

for 1912 on the

Trade of —, 790*
Hann, J. v., 70*, 949*, 953*
Hannay, D., 699
Hanno, The Periplus of — . A Voyage of Discovery down the West African Coast by a Carthaginian Admiral of the Fifth Century, B. C. Transl. from the Greek by W. H.

Schoff, rev., 296
Harbin: ¶Commercial Importance of
—, 151*; Report of Commercial
Conditions in North Manchuria and the Trade of Harbin for 1911. Consul Willis, 231*; Report for 1912 on Trade of Consular District

of —, 870* Harder, E. C., 387*; — and Rich, J. L., 716*

Harding King, W. J.: see King, W. J. Harding

Hardy, M. E., 943* Harfeld, —, 787* Harnden, E. W., 549* Harper, R. M., 466*, 530

Harrar, Report for 1912 on Trade of the Consular District of -, 946* Harrington, M. W. and Henry, A. J.,

Harris, G. D., 394*

Harris, R. A., 473* Harrison, F.: see Giles, H. A. Harry, M., 781

Harshberger, J. W., 38, 68*, 847; Personal, 620

Hartford Quad., Ky., Preliminary Report on Economic Geology of the —, and on some soils of —. J. H. Gardner and S. C. Jones, 146*

Hartmann, M., 628* Hartner, R., 394*

Harvard University, Summer Courses

in Geography, 619 Harver, D.: see Bruce, D.

HARZ: ¶Beiträge zur Morphologie des östlichen Harzes. H. Gehne, n., 548; Oberflächengestaltung Harzes: Eine Morphologie Gebirges. W. Behrmann, 950*

Hatt, G., 949*

Hausa-Superstitions and Customs, Introduction to Folk-Lore. A. J. N. Tremearne, rev., 935

Hausen, H., 952* Hausrath, —, 793* Hausrath, H., 301 Haussmann, K., 398, 480

Haute-Savoie, Géographie du Département de la —. A. Joanne, n., 865

Hautreux, A., 472* Havre: ¶Report for 1912 on Trade and Commerce of the Consular District of —, 793*; Les transformations du port du Havre. J. Levainville, 153*

HAWAII, TERRITORY ¶Colonias portuguesas nas Ilhas de Havaii e America do Norte. J. Costa, 554*; Early Relations of the Sandwich Islands to the Old Oregon Sandwich Islands to the Old Oregon Territory. G. V. Bennett, 625*; Earthquakes of 1868. C. H. Hitch-cock, 712*; Hawaii, Past and Pres-ent. W. R. Castle, Jr., rev., 696; Statistics Manufactures: Hawaii. Statistics of Manufactures for Territory; Cities, etc., 153*; Prosperity of Hawaii, 371; Report for 1911-12 on Trade and Commerce, 712*; Report of an Expedition to Laysan Island in 1911. [Hawaiian Bird Reserv.] H. R. Dill and W. A. Bryan, 153*; Results of Observa-tions made at Coast and Geod. Survey Magn. Observ. near Honolulu, 1909 and 1910. D. Hazard, 153*; Rubber Culture, 448; Statis-tics: Population, Agriculture and Manufactures for the Territory, Counties and Cities, Census 1910, 949*; Water Resources, 1909-11. W. F. Martin and C. H. Pierce, 949* ¶ Map: Oahu to Niihau, n.,

Hawes, A. F.: see Hawley, R. C. Hawley, R. C. and Hawes, A. F., 292

Hayata, B., 151*, 470* Hayden, H. H., 71*, 390; see also Burrard, S. G.

Hayek, A. von, 153*, 553* Hayford, J. F., 74*

Haynes, — ., Personal, 619 Haywood, A. H. W., 57 Haywood, C. W., 797

Hazard, D. L., 153*, 466*, 944* Hazera, I., 70* Headlam, C., 548

Heawood, E., 383 Hecla: ¶Einige Bemerkungen über die Hekla und deren Umgebung. H. Pjeturss, 73*; Volcanic Out-bursts near Mount — , 765

Hedin, S., 146

Hedley, Ch., Anciennes extensions continentales de l'Australasie, d'après les travaux de — , (Map), n., 159

Heiderich, F., 392*, 465 Heidke, P., 150*, 629* Heil, —, 713* Heil, B., 865

Heilprin, Michael - and His Sons.

G. Pollak, rev., 217

Heim, A., 705; Personal, 856

Heindl, R., 538

Heiser, V. G., 71*

Helena Mining Region, Mont., Ore

Deposits of the — A. Knopf, 625*

Helland-Hansen, B. and Nansen, F.,

473* 473*

Hellmann, G., 714* Henckell, P., 235* Hendrixson, W. S.: see Norton, W. H.

Henkel, L., 393*

Henkel, L., 393*
Hennig, R., 70*, 712*, 714*
Henry, A. J., 616, 707*; see also
Harrington, M. W.
Henshaw, F. F., La Rue, E. C. and
Stevens, G. C., 707*; —, McGlashan,
H. D. and Porter, E. A., 549*; —,
and Parker, G. L., 466*, 707*; see
also La Rue, E. C., and McGlashan,
H. D.

Hepworth, M. W. C., 393*

Herbert, J. W., 241 Herbertson, A. J., 222, 554*; — and F. D., 386, 694, — and Darbishire, B. V., 640

Herder, Jan de, Itinéraire de d'après Dapper et d'Anville; cartes modernes,

d'après les (Maps), n., 318 Heritsch, F., 73* Hermann, A., 798 Hermann, F., 308 Hermannsson, H., 73*

Hernandez-Pacheco, E., 712*

Herodotus, The Samos of —. E. E. Cole, n., 705 Hérubel, M. A., 705

HERZEGOVINA. See also Bosnia: ¶ études géomorphologique sur l'Herzégovine. A. de Lacger, 471*; Fahrten in den Reichslanden.

Bilder und Skizzen aus Bosnien und der Hercegovina. R. Michel und M. Bucherer, n., 308; Report for 1912 on the Trade of Bosnia-

Herzegovina, 792* Herzeg, T., 637, 717, 786* Hess, F. L., 387*; — and Hess, E.,

Hess, H., 792*

HESSE: ESSE: ¶Die topographische Landesaufnahme des Grossherzogtums Hessen. Heil, 713*; Beiträge zur Anthropogeographie des —. G. Greim, 950* ¶ Maps: Karte des Anbaues von Aprikose und Pfirsich. E. Ihne, n., 638; — der Walnuss.

Hesse-Cont'd.

E. Ihne, n., 638; — von Wein und Tabak. E. Ihne, n., 638; — der Zuckerrübe. E. Ihne, n., 638; Phänologische Karte des Frühlingseinzugs im Grossherzogtum Hessen.

E. Ihne, n., 638
Hesse, R., 875*
Hetch Hetchy Valley, Account of the

Origin of the Yosemite and —s. F. E. Matthes, 783*
Hettner, A., 235*, 475*, 634*, 921
Hiddensee: ¶ ther Art und Umfang Landverlustes und Landzuwachses auf Hiddensoe bei Rügen. M. Haltenberger, 73*; Entwicklung des kartographischen Bildes der Insel Hiddensoe. M. Halten-berger, 73*; Hidinger, L. L. and Morgan, A. E.,

147

Higginson, E., 455 Hilber, V., 235* Hill, J. W.: see Cuninghame, B. A.

Hiller, G., 934

HIMALAYA: ¶Antonio de Andrade S. J. Een ontdekkingsreiziger in de Himalaya en in Tibet (1624-1630). C. Wessels, n., 624; Esquisse de la géographie et de la géologie des montagnes de l'Himalaya et du Thibet. S. G. Burrard and H. H. Hayden, 71*; Fourth Visit to the Sikhim Himalaya, with Ascent of the Kangchenjhau. A. M. Kellas, 789*; Karakoram and Western Himalaya, 1909. Account of the Expedition . . . Duke of the Abruzzi. F. de Filippi, rev., 460; King George V. Group in the Himalaya, 447; Some Notes on my 1912 Expedition to the Siachen or Rose Glacier [Karakoram]. F. B. Workman, 151*; On, the Rigidity of the Earth and on Burrard's Theory of the Himalayas. O. Fisher, 873* ¶ Map: Himalaya et Se-Tchouen, n., 158

Hinds, H., 866* Hinks, A. R., 382; Personal, 767 Hirsch, H. M., 870*

Hirth, F. and Rockhill, W. W., 298 Hispanic Society of America, Exhibitions by the - and by the Amer. Geogr. Soc., 285

History: Changes of Climate and History. E. Huntington, 235*; Teaching of Geography and His-tory as a Combined Subject. H. J. The Mackinder, 875* Maps: Cambridge Modern History Atlas, n., 240

Hitchcock, C. H., 707*, 712*

Hjort, J., Personal, 856 Hoarau-Desruisseaux, Ch., 61 Activities in

Hobbs, W. H., 281; —' Activit Europe, 525; Personal, 530 Hobley, C. W., 149* Hoch, D. K.: see Wagner, A. E.

Hock, A., 772 Hoel, A.: see Staxrud, A.

Hoernes, M., 706 Höfer, H., 309

Hoffer, M., 471* Hoffman, B. E., 783*

Hoffmann, A., 390* Hoffmeister, E. v., 397, 631* Hogarth, D. G., 632*

Hohenner, H., 943*

Hoitsy, P., 217

Holbrook, Ariz., Recent Meteor Fall near — G. P. Merrill, 147* Recent Meteorite

Hole, A. D., 147*

Holmann, —, 791*
Holmden, H. R., 943*
Holmes, A., 874*
Holmes, M. J., 949*
Holmes, W. H.: see Hrdlička, A.
Holway, R. S., 625*
Home, G., 865

Honduras: Commerce of Honduras, 550*; General Descriptive Data prepared in June, 1910, 550*; Re-port on Commerce and Industry of

the Atlantic Coast of -, 468* Honeyman, H. A., 549*

Hongkong. Report on the Census of —, 1911, 789*

Hoover, L. H., 715* Hopkins, C. G., 567, 944*; — Mosier, J. G., and Others, 68*, 466*

Hopkins, T. C., 68* Hornaday, W. T., 532 Horne, C. S., 704

Hörschelmann, v., 954* Horton, A. H., Hall, M. R., and Jack-

son, H. J., 310*, 311*; see also Covert, C. C. Hosseus, C. C., 235* Hot Springs, Ark., General Informa-

Hot Springs, Ark., General tion Regarding —, 784* Houghton, F., 68* Houtum-Schindler, A., 314* Hovey, E. O., 473*, 714* Howard, A. G., 390* Howell, P., 942 Howells, C. S., 226 Hrdlighe A 141 297 211*

Hrdlička, A., 141, 287, 311*; see also Fewkes, J. Hubbard, G. D.: see Stauffer, C. R.;

Personal, 530

Hubert, H., 157 Hübner, E., 874* Hübner, M., 77* Hudleston, F. J., 793

Hudson Bay, Summer and Winter on —. C. K. and A. T. Leith, rev.,

Hudson-Fulton Celebration. Collection of Catalogues . . . shown under auspices Hudson-Fulton Celebration Comm., describing . . . Plants, Animals, Furniture, etc. of historical Interest in Connection with Hudson and Fulton Periods, n., 227

Hudson, G. H., 707*
Hudson R.: ¶ Hudson River Basin.
C. C. Babb, C. C. Covert, and R. H.
Bolster, 310*; The North River,

Hudson, W. F. A., 706 Hugershoff, —, 385 Hugershoff, R., 943* Hughes, T., 780 Hulbert, A. B., 293 Hull, E., 233*, 938 Hull, E., 233*, 93 Hullu, J. de, 468*

Hulot, E., 314*

Human Race, The Future of the -: Study in Present-Day Aspects of Social Bionomics. J. Glaister, 394*

Humphreys, W. J., 852

HUNGARY. See also Austria-Hundes grossen ungarischen Brunnen des grossen ungarischen Alföld. L. v. Lóczy, 471*; Groupement des montagnes de la Hongrie. E. de Cholnoky, 154*
Hunt, A. S., 212
Hunt, G. W. P., 387*

Huntington, E., 1, 107, 197*, 227*, 234*, 235*, 641, 783*; —'s Visit to Guatemala, 199; Personal, 530, 930

Hutchison, L. I.: see Gould, C. N.

Hutter, F., 150* Hüttl, K., 393* Hutton, E., 782

Hyde-Johnson, H. J., 630* Hygiene: ¶ Hygiene im Weltverkehr. R. Pöch, 394*

Iberian Peninsula: ¶Ensayo de Síntesis geológica del Norte de la Peninsula Ibérica. E. Hernandez-Pacheco, 712*; Resumen fisiográfico de la Península Ibérica. Cereceda, 712*

Ibrahim Pasha, Mémoires du Maréchal,

—, 65 Ica Valley, Peru, Agriculture and Irrigation in the —, 149*

Experiments on the Properties of Ice, 51; Properties of Ice-Experimental Studies. R. S. Tarr and J. L. Rich, 394*

ICELAND: ¶Beiträge zur Kennt-

nis des Kerlingarfjöllgebirges des Hofsjökulls und des Hochlandes zwischen Hofs- und Langjökull in Island. L. Wunder, n., 942; Beiträge zur Küstenkunde von Island. P. Vollrath, 714*; Bibliography of the Mythical-Heroic Sagas. H. Hermannsson, 73*; Flora von Deutsch-land und Fennoskandinavien sowie von Island und Spitzbergen. Hermann, n., 308; Forschungen am Vatnajökull auf Island und Studien über seine Bedeutung für die Vergletscherung Nord-deutschlands. H. Spethmann, 74*; Icelandie Sagas. W. A. Craigie, n., 942; New Harbor in —, 137; Paper describing the journey across Iceland of the Danish Expedition to the Königin-Luise-Land and north Greenland. J. P. Koch, 232*; Die Reise durch Island 1912. J. P. Koch, 73*; Der Strytur, ein isländischer Lavavulkan. M. v. Komorowicz, 872*; Zusammenhang der Luftdruck-abweichungen über Island, den Azoren und Europa. W. Köppen, 391* ¶ Maps: Durch-querungen von Island durch die J. P. Kochsche Expedition, 79*; Topographic Map published by the Danish General Staff, 443*

Ichang, Report for 1912 on the Trade

of -, 711*

IDAHO: ¶Geology and Ore Deposits of Lemhi County. J. B. Umpleby, 944*; Old Erosion Surface in Idaho: A Reply. J. B. Umpleby, 626*; Phosphates in Umpleby, 626*; Phosphates in Idaho and Montana. A. R. Schultz, R. W. Richards and J. T. Pardee, 311*; Report on Trade and Commerce for 1912, 867*; Statistics of Agriculture, Census 1910, 228* ¶ Maps: Clason's Industrial Map of the State of Idaho, n., 478; Lolo Quad., 955*; Missoula Quad., 476*

Idumaea: ¶Edom (Arabia Petraea. II). Topographischer Reisebericht, Ethnologischer Reisebericht. A. Musil, rev., 375 Iguazú, Zu den Fällen des —. G. E.

Goedhart, 868*

Ihne, E., 555*, 638 Illinois: ¶Hardin County Soils. Illinois: ¶ Hardin County Science C. G. Hopkins, J. G. Mosier and Others, 68*; — Coal Mining Investigations, Co-operative Agreement of Coronization, vestigations, Co-operative Agreement, Prel. Report on Organization, ret., 768; heport of regardation, etc., 708; — System of Permanent Fertility. C. G. Hopkins, 944*; The Making of Illinois. I. F. Mather, 863*; New Power Zone. G. W. Barr, 944*; Population. Illinois-Cont'd.

Composition and Characteristics, Census 1910, 467*; Sangamon County Soils. C. G. Hopkins, J. G. Mosier and Others, 466*; Statistics of Agriculture, Census 1910, 228*; Summer courses in geography at the Univ. of Illinois, 527 **q Maps: q** Kimmswick Quad., n., 476; Lincoln Quad., 955*; Milan Quad., n., 476

Illinois Academy of Science: Geographical courses at summer ses-

graphical controls sion, 619
Imhoff, L., 553*
Imperial Earthquake Investigation Committee, (Tokio), Contents of the Publications of the -, 635*

NDIA: ¶Agricultural Statistics, 1906-7 to 1910-11, n., 547; Big Game Shooting in India, Burma, and Somaliland. V. M. Stockley, rev., 777; Census, 1911. Vol. IX: Burma. C. M. Webb, n., 704; Droughts in —, G. T. Walker, 764; The East Coast of -. S. W. Cushing, 81; The Empire of India. Sir Bampfylde Fuller, rev., 537; Flora of the Upper Gangetic Plain and of the adjacent Siwalik and Sub-Himalayan Tracts. J. F. Duthie, n., 384; General Report of the Geol. Survey of —, for 1911. H. H. Hay-den, 71*; General Report on Operations of the Survey, 1910-11. S. G. Burrard, 390*; India and the Indians. E. F. Elwin, n., 777; Indian Rainfall, 287; Der indische Baumwollbau, Verbreitung und klimatische Lebensbedingungen. A. Gun-ther, 71*; Investigation of the Theory of Isostasy in India. H. L. Crosthwait, 71*; De Kasten van Britisch-Indië. J. S. Speyer, 871*; Mineral Production, 1911. H. H. Hayden, 390*; Oxford Student's History of India. V. A. Smith, 781*; Progress of Indian Surveys, 370; Records of Survey of India, V. A. Smith, 790*; Results of the Abor Expedition. A. Bentinck, 447 ¶ Map:
Map to illustrate geographical results of the Abor expedition, 1911-12. A. Bentinck, n., 396

India, French: Ctablissements français dans l'Inde. Statistiques du

Commerce, 1910, 151*

INDIAN OCEAN: ¶ Atlas der Meeresströmungen in dem Indischen Ozean. Auf Grund der Beobachtungen deutscher and holländischer Schiffe (Review), 634*; New Mag-

netic Charts of the Indian Ocean. L. A. Bauer, 234*; Oceanogr. en Meteorol. Waarnemingen in den Indischen Ocean, 235*; A Submarine Bank South of Tasmania.
T. W. E. David, 764 **qMap**: Sketch Map showing soundings south of Tasmania and southwest of New Zealand, n., 799

INDIANA: ¶ North America of To-NDIANA: ¶ North America of To-Day and To-morrow and — 's Place in it. C. R. Dryer, 227*; Results of Glaciation in — C. W. Shannon, 147*; Statistics of Agriculture, Census 1910, 228*; University of Indiana, Summer courses in Geog-

raphy, 619 INDIANS: ¶ North American Indians: Algonquian Tribes. T. Michelson, 707*; American Indian of To-Day and To-Morrow. F. A. McKenzie, 311*; Brief Account of Miemae Indians of Nova Scotia Micmae Indians of Nova Scotia and Their Remains. H. Piers, 709*; Cayuga Notes. [Cayuga Indians.] G. E. Taft, 467*; Ethnology of the Salinan Indians. J. A. Mason, 228*; Handbook of Indians of 228°; Handbook of Indians of Canada, 709°; Indians of North Dakota, 69°; Indian Tribes of Canada. C. M. Barbeau, 945°; North American Indians of the Plains. C. Wissler, 549°; Some Observations of Conditions in the Five Civilized Tribes. G. Vaux, Jr., 474*; Seneca Nation from 1655 to 1687. F. Houghton, 68*; A Study of Maya Art: Its Subject Matter and Historical Development. H. J. Spinden, 785* ¶Map: Map showing Papago Rancherias, present and past. C. Lumholtz and A. Briesemeister, n., 76 ¶ South American Indians: ¶ Affinités du Tikuna. P. Rivet, 229*; Zur Affinität der Tapúya-Indianer des "Theatrum Rerum Maturalium Brasiliae." R. R. Schuller, 627*; Great Chanca Confederacy. An attempt to Identify some of Indian Nations that Formed it. S. A. Lafone Quevedo, 709*; Indians of the North Western District (British Guiana). Rev. Father Cooksey, 229*; Linguistique Bolivienne: Le groupe Otuké. G. de Créqui-Montfort et P. River, 149*; Linguistic Stocks of S. American Indians, with Distribution. A. F. Chamberlain, 946*; The Moruca. Rev. Father Lickert, 229*; Pronominal Classification of Certain South American Indian Indians-Cont'd.

Stocks. S. A. Lafone Quevedo, 551*; Skizzen vom paraguayischen Chako und von der englischen Mission unter den Lengua-Indianern.

K. Carnier, 628*

INDO-CHINA, FRENCH: ¶L'-Espagne en Indochine. A. Ca-baton, 790; L'Indo-Chine. M. Harry, n., 781; Indochine. Stat. du commerce des colonies françaises pour 1909, et 1910, 231*; Les jungles Moï. A. Cabaton, 711*; Notice sur les moeurs et coutumes des Moï de la région de Dalat. J. Canivey, 711*; Report for 1912 on the Trade of Saigon, 950*; Situation économique de l'Indochine en 1912. P. Clerget, 790*; Das südliche Indochina. Maitre, 231* ¶ Map: Das südliche Indochina, n., 78

Industrial Education and Commercial Prosperity. J. J. Macfarlane, 875* Ingram, E. L., 943* Inouye, K., 790*

Instituto Historico e Geographico de Sergipe, 690

International Geodetic Association, Seventeenth General Conference of the —. W. Bowie, 351

Ionian Islands: ¶ Il terremoto delle Isole Jonie del 24 gennaio 1912 e la velocità delle onde sismiche. G. Agamennone, 632*

Ionian Sea: Das Ionische Meer als eines der wichtigsten Felder ozeanographischer Forschung. W. Krebs,

471*

IOWA: ¶ Annual Reports 1910 and 1911, 708*; Geology of —. W. H. Norton and H. E. Simpson, 707*; Mineral Production, 1909 and 1910, 708*; New Power Zone, G. W. Barr. 944*; Population. Composition and Characteristics, Census 1910, 467*; Statistics of Agriculture, Census 1910, 228*; Iowa Univ., Summer rourses in Geography, 619; Topography and Climate. H. E. Simpson, 708*; Underground Water Resources. W. H. Norton, W. S. Hendrixson and Others, 311*; Undergound Water Resources of —. W. H. Norton and Others, 707* Maps: Milan Quad., n., 476; Pella Quad., n., 476; Slater Quad.,

Iquique, Report for 1912 on Trade of the Consular District of -, 868*

Iquitos: ¶ Iquitos and the Tributary Region, 388*; Report for 1912 on the Trade of -, 710*

IRELAND. See also United Kingdom: Black's Guide to Ireland, n., 226; Geographical Pilgrimage from Ireland to Italy. W. M. Davis, 760*; Handbook for Travellers in Ireland, n., 146; Ireland pages the Normage 1160 1216 under the Normans 1169-1216. G. H. Orpen, n., 548; New Grange (Brugh na Boinne) and Other Incised Tumuli in Ireland. G. Coffey, n., 226 | Maps: Pratt's Road Atlas of Scotland and Ireland for Motorists, n., 720 Irghiz River: ¶Hydrological Survey

of the Lower Course of — and Turgai Rivers. I. G. Zunturidi,

631

Iron: ¶ Eisenvorräte der Welt. M. Eckert, 795*; Les réserves mon-diales en minerais de fer. L. de Launey, 233* ¶Map: Eisenerz-karte der Erde nach dem Stande der Eisenerzforschung i. J. 1911. M. Eckert, n., 960

Irrigation, Rational use of water in

—. J. A. Widtsoe, 394*
Ishii, S., 790*

¶Die Mission des Islam. Islam:

E. Kittlaus, 394*
Isle of Pines, Notes on the Geology of the —. O. E. Jennings, 785*
Isostasy: ¶Beitrag zur Theorie der

isostatischen Reduktion der Schwerebeschleunigung. E. Hübner, 874*; Isostasy, a Rejoinder to the Article by Harmon Lewis. J. F. Hayford, 74*

Ispahan, Report for year ending March 20, 1912, on the Trade of the Consular District of -, 791*

Istituto Geografico Militare, Cartografia coloniale dell' -. G. Cora, 873*

Italian Colonies: see under Italy.

ITALY: ¶Annuario Statistico Italiano, Vol. 2, 1912, 713*; Zur Anthropogeographie der Alpen. Die Ständigen Siedlungen an Adamellogruppe und die Boden-formen. O. Lehmann, 233*; Elenco dei Fari, Fanali, segnali marittimi, etc., sulle Coste d'Italia, 873*; Gemeinden von Italien mit mehr als Gemeinden von Italien mit meur als 20,000 Einwohnern. Ergebnisse der Zahlung 1911, 633*; How to see Italy by Rail. D. Sladen, rev., 215; Italians of To-Day. R. Bagot. n., 465; Italy in the Thirteenth Century. H. D. Sedgwick, rev., 215; Per l'ortografia italiana dei nomi coloniali, 954*; On Recent Sea-Level Variation at the Italian and Austrian Mareograph Stations, and Italy-Cont'd.

on the cause of Messina-Reggio Earthquake of 1908. F. Omori, 553*: Terremoti osservati in Italia nel 1908. G. Agamennone, 392*; Reports for 1912 on Trade, Industries, etc. of various Consular Districts, 951*; United Italy. F. M. Underwood, rev., 860 ¶ Cartography: Contributi alla Storia della Cartografia d'Italia. I: "Disegno della Geografia moderna" dell'Italia di Giacomo Gastaldi (1561). Biasutti, 633*; II: Sulle origini del Portolano normale nel Medio Evo e della Cartografia dell'Europa occidentale. A. Magnaghi, 633*; III. La carta della Toscana di Leonardo da Vinci. M. Baratta, 633*; Cartografia coloniale dell'Istituto Geografico Militare. G. Cora, 873* L'opera dell'Istituto Geografico De Agostini nella costruzione, redazione ed esecuzione della Carta d'Italia del T. C. I. al 250.000. G. De Agostini, 872*; Revisione topono-mastica della Carta topografica d'Italia, alla scala di 1,100,000. C. Porro, 872*; ¶Geography: La Geografia e il risorgimento d'Italia. C. Errera, 633*; Geographical Pil-grimage from Ireland to Italy. W. M. Davis, 760*; Letture geografiche an uso delle scuole medie superiori. L'Italia Nostra. P. Gri-baudi, n., 226; Testo Atlante di geografia. fisica generale; l'Europa e l'Italia in generale. L'Italia-l'Eu-ropa. A. Mori, n., 145; Testo-Atlante di Geografia per le Scuole secondarie superiori con Particolare Riguardoalla Geografia Commerciale. L'Italia. A. Mori, n., 226 ¶ Hydro-Catalogo delle pubbligraphy: cazioni in vendita presso il R. Istituto Idrografico, 1913, 951*; Materiali per la Conoscenza del Mediterraneo. IV. Esperienze sulle correnti nel Tirreno. G. Dainelli, O. Marinelli and G. Stefanini, 951*; Materiali per lo Studio dei Fiume Italiani. I: Le regioni a spartiacque incerto od indeterminato dei bacini dell'Arno e del Serchio. G. Canestrelli, 633*; II: La provenienza della acque e la regione sorgentifera del fiume Stella nel Friuli. A. Lorenzi, 633*; Problem of Irrigation in the South of Italy and in Sieily. O. Bordiga, 951* ¶ Meteorology: Materiali per la climatologia d'Italia. I: Carta della piogge delle regione toscana. G. Dainelli, 633*; Materiali per la Climatologia d'Italia. II:La pioggia nella regione ligure. G. Anfossi, 633*; III: La pioggia in Piemonte e nelle Alpi Occidentali. G. Anfossi, 633*; Materiali per lo Studio dei Ghiacciai. I: Ghiacciai delle Alpi Venete. O. Marinelli, 633*; The Present Organization of Meteorol. Service in Italy. L. Palazzo, 713*

¶ Population: Intorno ai risultati
definitivi del V censimento generalle della populazione del Regno d'Italia. L. F. de Magistris, 713*; Movimento della popolazione secondo gli atti dello Stato civile nell'Anno 1910, 233*; Die serbokroatischen Kolonien Süditaliens. M. Resetar, rev., 303; Superficie e popolazione d'Italia. E. Cianetti, 633* ¶Colonies: Cartografia coloniale dell'Istituto Geografico Militare. G. Cora, 873*; Per l'ortografia italiana dei nomi coloniali, 954*; Publications of the Italian Ministry of Colonies, 202; Raccolta di Pubblicazioni 202; coloniali Italiane, n., 309

Ito, J., 704* IVORY COAST: ¶Un béguinage administratif: Bingerville, capitale de la Côte d'Ivoire, 469*; Chemin de fer de la —, 787*; Côte d'Ivoire. F. Lambert, 230*; Côte d'Ivoire, 869*, 947*

Iwasaki, C., 711* Iyenaga, T., 151*

Jack, E. M., 787*, 877 Jack, R. L., 391* Jäckh, E., 866* Jackson, H. J.: see Horton, A. H. Jacqueton, G. and Gsell, S., 464 Jaeger, F., 312* Jagas and Zimbas: ¶Les g ¶Les grands

Mouvements de peuples en Afrique. Jaga et Zimba. Origines des nations Fundji, Shilluk, etc. R. Avelot, 710*

Jakobs, Capt., 926 JAMAICA: ¶Some Aspe Economic Geography of —. ¶Some Aspects J. Bygott, 468*; On the Cause of Jamaica Earthquake of Jan. 14, 1907. V. Cornish, 148*; Jamaica in 1912. Handbook . . . Intending Settlers,

etc. F. Cundall, 864* James, H. G., 466* James, H. L., 949*

James R. Basin, Va., Geology of the Gold Belt in the —. S. Jameson, P. R., 227*
Jamison, C. E., 147*, 387* S. Taber, 944*

Janet: ¶L'oasis de Djanet. Son occupation par la Compagnie Saharienne du Tidikelt. Capt. Charlet, 150*

Janssen, C., 233*

JAPAN: ¶Agricultural Economy
of —: Principal Features; Present Conditions of Production. Yokoi, 712*; Carriage by Sea. J. Ito, 704*; Climatology, 850; Development of Manufacturing Industries. G. Murase, 390*; Geographic Influences in Japan, Lecture. E. C. Semple, 285*; Histoire critique des travaux statistiques au Japon depuis l'antiquité jusqu'à la restauration impériale. Y. Yanagisawa, 151*; Influence of Geographical Conditions upon Japanese Agriculture. E. C. Semple, 151*; De Irrigatie in Japan. H. H. van Kol, 712*; —'s Camphor Monopoly, 790*; Japanese Colonial Methods. E. C. Semple, 255; Japan's Contribution to Seismology. A. G. McAdie, Japanese as I have Known Them. D. Sladen, 871*; Japanese Nation, Its Land, Its People and Its Life. I. Nitobé, rev., 58; Japanese Race. A. F. Chamberlain, 151*; Japoneries de printemps. L. Doynel, 790*; Metallogeny of —. C. Iwasaki, C. Iwasaki, 711*; Oud en Nieuw Japan. M. W. de Visser, 942*; Our Neighbors: The Japanese. J. K. Goodrich, rev., 696; The Progress of Japan, 1853-1871. J. H. Gubbins, rev., 536; Railway Extension in —, 790*; Recent Sea-Level Variation at Different Japanese Mareograph Stations. ent Japanese marcograph Stations. F. Omori, 470*; Report on Observations of Pulsatory Oscillations in Japan. 2nd paper. F. Omori, 712*; Shipbuilding in Japan, 790* Map: Japan to Illustrate Paper by E. C.

Semple, n., 78

Jardine, D. J.: see Lukach, H. C.

Jasper Park, Yellowhead Pass and
Mt. Robson Region, Alpine Club of Canada's Expedition to - 1911. A. O. Wheeler, 549*

JAVA: ¶La culture du thé à Java. C. Bernard, 151*; Is Java over-bevolkt? J. Habemma, 791*; Java. Zoölogisch en Biologisch. J. C. Koningsberger, I-VI, 865*; Monumental Java. J. F. Scheltema, rev., 537; Kautschukkultur auf Java, 791*; Rapporten van den Commissie in Nederlandsch-Indië voor oudheidkundig onderzoek op Java en Madoera, 1911, 314*; Report for 1912 on the Trade and Commerce, etc. of Java, Sumatra, etc., 791*;

Studien über den Reisbau auf Java. S. V. Simon, 151* Jefferson, M., 161, 667, 799; Personal,

Jenkins, S., 208 Jenks, E., 308

Jennings, O. E., 785*; Personal, 530 Jensen, J. M., 551* Jéquier, G., 629* Jerusalem, Report for 1912 on Trade of the Consular District of -, 948* ws: ¶ History of the Jews in America. P. Wiernik, rev., 621; Das Rassenproblem unter besonderer Berücksichtigung der theoretischen Grundlagen der jüdischen Rassen-

frage. I. Zollschan, rev., 381 Jimenez, C. P., 709* Jireček, C., 949* Joanne, A., 865, 942* Joanne, P., 144, 226*, 942* Joerg, W. L. G., 760*, 819

Johansen, Captain Hjalmar, Obituary, 205

Johansen, N. P., 943* Jöhlinger, O., 948* Johns, C. A., 705 Johnson, B. L.: see Moffit, F. H.

Johnson, D. W., 227*; Personal, 527,

Johnson, E. R., 455 Johnson, S., 68* Johnson, W. H., 630*

Johnston, J., 944* Johnston, Sir Harry H., 389*, 628*, 715*

Joly, J., 473* Jones —, 71* Jones, C. H. W., 864

Jones, F. K., 478 Jones, G. M.: see Allin, C. D. Jones, S. C.: see Gardner, J. H.

Jorga, N., 314*, 399 Joseph, G., 469* Joubin, L., 235*; — and Morelli, J., 159

Jourbet, J., 315*

Journal Asiatique. Receuil de Mémoires et de Notices relatifs aux Études Orientales publié par la Sociéte Asiatique, (1903-12), 870*

Jousset, P., 66 Jowitt, L., 386

Juan Fernandez:

Die Geologie der Juan Fernandezinseln. P. D. Quensel, 551*

Juba R.: iba R.: ¶La Foce del Giuba. Negoziato fra l'Italia e l'Inghilterra e scambo di note 8-15 luglio 1911, 312*

Jubaland: ¶Jubaland and Its In-F. Elliott, 869* habitants.

Judson, K. B., 455

Jura: ¶Zur Morphologie der Berner Jura. P. Schlee, 953*; Recherches spéléologiques et hydrologiques dans la chaîne du Jura. E. Fournier, 314*

Jurisch, C., 558 Jurva, R., 952*

K

Kabyles: ¶ The Kabyles of North Africa. A. Lissauer, 312* Kaiser Wilhelm Canal, Widening the —, 851

KAISER WILHELMS German:
See also New Guinea, German:
Bericht über die Arbeiten des
Hauptmanns Foerster bei Gelegenheit der Grenzfestsetzung von
Kaiser-Wilhelmsland im Verlauf des
S. Grades südlicher Breite, 152*;
Deutsche Grenzexpedition in das
Kaiser-Wilhelmsland. L. Schultze,
152*; Am Goldfluss von —; 791*;
Kaiser-Wilhelms-Land. E. Werner,
rev., 58 ¶Map: Die Südostecke
von Kaiser-Wilhelmsland. M. Moisel
and H. Ketzer, n., 638

KAISERIN AUGUSTA RIVER:

¶ Die Erforschung des Sepik, 791*

Maps: Vorläufige Karte des Gebietes des Kaiserin-Augusta-Flusses.

L. Schultze, W. Behrmann and M. Moisel, n., 718; Vorläufige Skizze des Vorstosses von Dr. Behrmann vom Kaiserin-Augustafluss zum Zentral-Gebirge, n., 559; Vorläufige Skizze der bisherigen Aufnahmen des Dr. Behrmann im Mittellauf des Kaiserin-Augustaflusses, n., 559

Kaiserstuhl, Die Erdbeben des —s. R. Lais, 473*

Kalamazoo Western State Normal School, Geographical Courses at —, 528

Kalbinski Mts.: ¶Tektonische Karte des Kalbinski-Gebirges in Westsibirien. W. A. Obruchev, n., 958 Kaldhol, H., 713*

Kalgoorlie, Geology and Ore Deposits of —, East Calgoorlie Goldfield, Part I. E. S. Simpson and C. G. Gibson, 871*

Kalisch, R., 231*

KAMERÜN: ¶Anlage der landwirtschaftlichen Versuchstation Pittoa bei Garna, 469*; Benue-Weg und die französische Etappenstrasse durch Deutsch-Adamaua. M. Moisel, 710*; Bericht über das meteorologische Beobachtungswesen, 1911. H. Marquardsen, 150*; Die bisherige Festlegung der neuen Kamerungrenzen durch die deutsch-

französischen Kommission. M. Moisel, 313*; Moisel, 313*; Eine botanische Wanderung nach Deutsch-Adamaua. C. Ledermann, 150*; Cameroun. C. Martin, 150*; La délimitation franco-allemande, 230*; Deutschenglisches Abkommen über die Fühenglisches Abkommen über die Führung der Grenze zwischen Kamerun und Nigerien von Yola bis zur Küste und über die Schiffahrt auf dem Crossflusse, 787*; Eisenbahnfrage in Deutsch-Ostafrika und Kamerun. E. Kolbe, 230*; Eine Expedition gegen die Kangu-Heiden. Oberleut. Dühring, 469*; Forschungen am Nordrande des Kamschungen am Nordrande des Kamsungen am Nordrande des Kamsu schungen am Nordrande des Kamerunplateaus. K. Strümpell, 150*; Kameruner Schlafkrankheitsfragen. L. Külz, 710*; Kamerunbahnen (Deutsch Kol.-Eisenbahn-Bau-und Betriebs-Gesells.), 629*; Kameruner Südbahn. F. Kolbe, 710*; Neu-Südkamerun und das französische Nachbargebiet. M. Moisel, 869*; New Franco-German Boundary, 49; Meteor. Beobachtungen aus dem Grenzgebiet von Kamerun Spanisch-Guinea, 149*; Neu-Kam-erun. F. Hutter, 150*; Das plas-tischfigürliche Kunstgewerbe im Graslande von Kamerun. P. Ger-mann, 313*; Durch das Waldland Kameruns von Jaunda nach Kribi. L. Waibel, 710*; Das Zwergvolk der Bagielli. E. Koch, 150* Maps: Les frontières du Cameroun d'après l'Accord Franco-Allemand du 4 Nov., 1911, n., 157; Das Hinterland der Kameruner Nordbahn. M. Moisel, E. Lober, and Others, n., 478; Der Nordrand des Kamerun-Plateaus. K. Strümpell u. M. Moisel, n., 559; Die Regenmess-Stationen im Kamerun, 1911, n., 717; Vegetationskarte der von Ledermann durchreisten Gebiete Kameruns. Nach M. Moisel . . . Kolonialatlas. W. Rux, n. 558

Kames: The Origin of Kames. H. W. Ahlemann, 205; Polmont Kame and On Classification of Scottish Kames. J. W. Gregory, 954*

Kanawha River Basin. A. H. Horton, M. R. Hall, and H. J. Jackson, 310* Kanehira. R., 151*

Kanehira, R., 151*
Kangaroo Island, Possibilities of Discovery of Petroleum on — and W. Coast of Eyre's Peninsula. L. K. Ward, 712*

Ward, 712* Kanin Peninsula: ¶Beiträge zur Geologie der Halbinsel Kanin. W. Ramsay, 952*

KANSAS: ¶ Electric Storms in Western Kansas, 849; Some Geographic Responses in South Central Kansas. F. V. Emerson, 466*; Population, Composition and Characteristics, Census 1910, 467*; Statistics of Agriculture, Census 1910, 228* Kansu, Map: ¶Maj. G. Pereira's

Route to Labrang Monastery, 78* Kant, I.: ¶Kants Ansichten über Geschichte und Bau der Erde. E.

Adickes, rev., 306

KARA SEA: ¶Campagne Arctique
de 1907. Microplankton des Mers de Barents et de Kara. A. Meunier ; Étude lithologique de Fonds recueillis dans les parages de la Nouvelle-Zemble. J. Thoulet, rev., 698; Periodical Movement of Ice in the Kara Sea. I. Anufriev, 554*

KARAKORAM: ¶ Exhibition of Karakoram and Ruwenzori Photographs, 924; F. de Filippi's Expedition, 136, 764; Karakoram and Western Himalaya, 1909. Account of the Expedition . . . Duke of the Abruzzi. F. de Filippi, rev., 460; Mountaineering in High Altitudes. F. de Filippi, 690

Karlik Tagh and Barkul Mts., Map from Survey by D. Carruthers and A. Stein's surveys of 1906-8, n.,

559

Karst: ¶Die morphologischen Entwicklungsbedingungen des Vaskóher Karstes. L. v. Sawicki, 471* Karsten, H., 72*

Kassa-Oderberg, Chemins de fer - et la Haute-Tátra, 66*

KATANGA: ¶L'avancement de la construction du chemin de fer du Katanga, 552*; Le bassin de la Lovoi, 710*; Comité Spécial du Katanga. Rapport annuel de M. H. Droogmans, 149*; Rapport du Comité, etc.: Exercice 191 389*; Le commerce au —. Osstvn, 787*; Au Katanga, 70*; Le Katanga. F. Cousin, 628*; —: Province Belge. A. Adam, A. Bolle, and Others, rev., 297; Katanga en Zuid-Afrika. A. Lodewyckx, 308*; La main-d'œuvre indigène au -149*; La main-d'œuvre inhabile au — G. Paquot, 710*; Maladie du sommeil au — F. O. Stohr, n., 225; Missions dans le -. Le Commerce. Influences Belges et étrangères. G. de Leener, rev., 772; Mentalités indigènes du —. Harfeld, 787*; Missions dans le -L'agriculture: Possibilités et Réalités. A. Hock, rev., 772; Progress

of the — R.R. 926; Schlafkrankheit in Katanga. F. D. Stohr, 947*

Katmai: ¶Katmai Eruption. G. A. Clark, 944*; Recent Eruption of -Volcano. G. C. Martin, 467*; -Taal, Asama-Yama and Katmai. A. G. McAdie, 714

Katz, F. J., Knopf, A. and Others, 635; see also Martin, G. C.; and Prindle, L. M.

Kauai Island, Topographic Map of the —, n., 476 Kayser, E., 64

Kearny, Gen. Stephen W. - and the Conquest of California. V. M.

Porter, 147* Keen, D., 387* Keidel, H., 786* Keith, A., 382 Kellas, A. M., 789* Kellner, W., 392*, 632* Keltie, J. Scott, Personal, 693

. Kennard, H. P. and Peacock, n., 144

Kennebec River Basin. C. C. Babb, C. C. Covert and R. H. Bolster, Survey 310* ¶Maps: U. S. Coast and Geod. Survey, 2 Charts, n., 75 KENTUCKY: ¶Coals of the Region drained by Quicksand Creeks in Breathitt, Floyd, and Knott Coun-ties. F. J. Fobs, 146*; Prel. Re-port on Economic Geology of Hartport on Economic Geology of Hartford Quad. and on some Soils of the same Quad. J. H. Gardner and S. C. Jones, 146*; Statistics of Agriculture, Census 1910, 228* ¶ Maps: Drakesboro Quad., 955*; Sciotoville Quad., 955*

Ketzer, H.: see Moisel, M.
Keyes, C. R., 235*, 555*, 634*
Kharkov, (Government) Basic Features of Tectonics of —, Poltava, etc. P. N. Chirvinskii, 952*

Kieng-chang: ¶The Lolos of Kient-chang. A. F. Legendre, 231*
 Kiepert, H., 319

Kiepert, R., 318 Kiessling, H., 554*

ILAUEA: ¶Floating islands of Halemaumau. F. A. Perret, 391*; G. G. Curtis's Naturalistic Model KILAUEA: of the - Crater, 688; A Model of Kilauea, 366; Lava fountains of -. F. A. Perret, 391*; Subsidence Phenomena at - in the Summer of

1911. F. A. Perret, 712*
Kilimanjaro: ¶Urteil über die Besiedlung und Besiedlungsmöglichkeit der Abhänge des Kilimandjaro

und des Meruberges, 469* Kimball, H. H., and Miller, E. R., 235*

Kimmel, K., 718, 719, 793*

King Edward VII Land, British Expedition to —, 852 King George V Group in the Hima-

laya, 447 King, W. J. Harding, n., 957

Kingchow, Report for 1912 on the Trade of the Port and District of —, 711*

Kinta District, Perak, Geology and Mining Industry of the -. Scrivenor, n., 864

Kirchwey, Miss, Personal, 527 Kirk, C. T., Personal, 856

Kirsch, A. M., 707* Kissenberth, W., 868*

Kistapolesanyi, Hungary: ¶ Beschrei-bung der jagdlichen Verhältnisse auf der Erzherzoglich Kistapolesányer Herrschaft. O. v. Borsiczky,

705 Kitson, A. E., 313*, 361 Kittlaus, E., 394*

Kiukiang, Report for 1912 on the

Trade of —, 711*
Kivu Lake: ¶Comment les eaux de l'ancien lac Kivu s'écoulent dans le Tanganika, 149*

Kleinpaul, R., 781 Klondike: ¶ The Gold of the Klondike, J. B. Tyrrell, n., 623; Growing Gold Product of -, 688

Klotz, O., 74*, 155*, 706, 794*; Personal, 693

Kluchevsky, V. O., 60 Kmunke, R., 877 Kneipp, L. F., 311*

Knife: Das Messer. Eine kulturhistorisch-ethnographische Skizze. C. A.

Seyffert, 634*
Knoche, W., 786*, 791*
Knopf, A., 467*, 556, 625*; see also Katz, F. J.

Knörzer, A., 719* Knowlton, F. H., 467*, 715*

Wegener, A., 938; Capt. —'s Expedition Across Greenland, 852

Koch-Grünberg, T. - 's Explorations in the Northern Amazon Basin and the Guiana Highlands, 664; Personal, 856

Koebel, W. H., 770; - and Forrest, A. S., 457 Koehne, W., 782

Koelliker, O., 231* Koderup, C. F., 714* 231*

Kohler, L. S., 866* Kohlschütter, E., 315* Kol, H. H. van, 308, 712*

Kolb, E. C., 366* Kolbe, F., 230*, 629*, 710*

Koller, Ingénieur: see Staxrud, A. Komatsu, M., 552*

Komorowicz, M. v., 872*

König, F., 234*; - Leader of another Antarctic expedition, 692 Koningsberger, J. C., 865*

Köppen, W., 391*

KOREA: ¶La fin de la vielle Corée, 790*; Geology and Mineral Resources of —. K. Inouye, 790*; Japan's Annexation of Korea. T. Japan's Annexation of Rolea. It. Iyenaga, 151*; Korea. Madrolle's Guide Books, rev., 695; The Korean Alphabet. J. S. Gale, 552*; The Old People and the New Government. M. Komatsu, 552*; Reports for 1912 on Trade of Corea, 790*

Korff, N. A., 554* Kostlan, A., 552* Kötz, A., 301

Kowarzik, R., 473*, 713*

Kowatsch, A., 73*

Koyukuk-Chandalar Region, Alaska. A. G. Maddren, 866*

Krain: See Carniola. Kraus, G., 377 Krause, A., 67 Krause, H. L., 228*

Krause, K., 389*, 624 Krebs, N., 391*, 471*, 633* Krebs, W., 510, 873* Kröhn, W., 154*

Krugler, H., 873*

Krümmel, Otto, Obituary, 138

Kuango: ¶Une Exploration oubliée: Voyage de Jan de Herder au Kwango (1642). R. Avelot, 149*; Notes sur le Kouango, 1912. F. Vallée, 552* ¶Maps: Two Maps Accompanying ''Voyage de J. de Herder au Kwango,'' n., 318

Kuchinka, G., 154*, 398 Küchler, C., 153*, 792* Kühn, F., 786*, 797*

Külz, L., 710*

TWaves of the Sea Kumatology: • Waves of and Other Water Waves. nish, rev., 699

Kundelungu, Les diamants des —, 70* Kuntz, J., 629*, 870*; — and Rux, W., 717

Kuril Islands: ¶The Kuril Islands, called by the Japanese Chishima. C. M. Salwey, 151⁴

Kursk, (Government), Basic Features of Tectonics of —, Poltava, etc. P. N. Chirvinskiï, 952*

Kustendje: ¶Le port de Constantza. J. de Saint-Sauveur, 315*

Laboulaye, E. de, 776

LABRADOR: ¶Captain Cartwright and His Labrador Journal. Edited by C. W. Townsend, rev., 622; Expedition in South-Eastern —, H. G. Bryant, 549*; Exploration in South-eastern —. H. G. Bryant, 229*, 311*; Short Trip into the — Peninsula by Way of Natashquan River. C. W. Townsend, 867* ¶Maps: Map of Saint Augustine R. Showing Explorations of H. C. Bryant's Expedition, 1912. R. W. Porter, n., 556; Sketch Map of Saint Augustine River showing explorations of H. G. Bryant's Expedition, 1912. R. W. Porter, n., 557

LABRADOR CURRENT: upon the Surface Effect of the -Temperature of the North Atlantic and of the latter upon air Temperature and Pressure over the British Isles. M. W. C. Hepworth, 393*; The - and Temperatures, 204

Lacetti, B., 70* Lacger, A. de, 471* Lacharrière, J. L. de, 313* Lachmann, R., 874* Lacroix, A., 230* La Crosse, Recollections of a Pioneer

Woman of -. A. Levy, 147*

Laffitte, L., 153*

Lafone Quevedo, S. A., 551*, 709* Lagorio, E., 70*

Lais, R., 473*; - and Sieberg, A.,

472*

Age of Certain Ox-Bow Lakes. R. M. Harper, 466*; Sprungschichte der Seen. A. Merz, 74* Lalanne, Lieut., 394*

Lalinoï, M. A., 624* Lallemand, C., 234*, 473* La Manche: see English Channel.

Lambert, F., 230* Lambertson, C., 313* Lamplugh, G. W., 315*

Lamy, Ed., Thiele, J. and Others, 145 Land Forms: see Geomorphology. Landes, H., 783*; —, Mangum, A. W. and Others, 68*
Lane, A. C., Personal, 693
Laney, F. B. and Wood, K. H., 147*

Lang, A., 66

Langenbeck, W., 465 Langer, R.: see Tschamler, I. Langhans, J. E., 781

Langley Memoir on Mechanical Flight. S. P. Langley and C. M. Manly,

Langley, S. P. and Manly, C. M., 155*

TIC STOCKS: ¶The Aragonese Dialect. G. W. Umphrey, 233*; Beitrag zur Kenntnis der tasmanischen Sprache. H. B. Ritz, 949*; First Grammar of the Language spoken by the Bontoe Igorot. With Vocabulary, Mythology, etc., C. W. Seidenadel, rev., 777; Linguistique Bolivienne: Le groupe Otukè. G. de Créqui-Montfort et P. Rivet, 149*; Languages of Africa. Werner, 389*; Linguistic Stocks of S. American Indians, with Distribution. A. F. Chamberlain, 946*; Notes on some Languages of Western Sudan, Including 24 Unpublished Vocabularies of Barth, etc. P. A. Benton, rev., 57; Preliminary Report on Linguistic Classification of Algonquian Tribes. T. Michelson, 707*; Sprachen der Hamiten. C. Meinhof, rev., 771; Systematic Study of African Languages. W. A. Crabtree, 388*; Shilluk People, their Language and Folklore. D. Westermann, rev., 934 ¶ Map:

LANGUAGES AND LINGUIS-

Algérie. E. F. Gautier, n., 717 Lanier, Miss, Personal, 527

Lanzoni, P., 385 La O, Gabriel, 470*

Laos: ¶L'avenir économique du Laos, 71*; A Half Century among the Siamese and the Lao. D. McGilvary, rev., 57 Lapicque, P. A., 396

Répartition de la langue berbère en

apland: ¶Durch Schweden nach Lappland. J. Partsch, 72* Lapland:

¶Über Lappen und Samo-W. Crahmer, 954*; Om den Lapps: jeden. kunstige Formning af Barnehovedet hos de skandinaviske Lapper. Hatt, 949*; Religion und Sprache der Lappen und Samojeden. W. Planert, 954*

Larder Lake District, Ont., Geology and Economic Resources of the

and adjoining portions of Pontiac County, Que. M. E. Wilson, 626* La Rue, E. C., Henshaw, F. F. and Porter, E. A., 69*; see also Free-man, W. B.; and Henshaw, F. F. Latham, H., Itinéraires en Ethiopie

par - 1907, (Map), n., 395 Determination LATITUDE: Time, Longitude, Latitude and Azi-W. Bowie, rev., 701; Die geschichtliche Entwicklung der Polhöhenbestimmungen bei den älteren Völkern. C. Schoy, 393*; Näher-ungsweise Bestimmung der Polhöhe in sehr hohen Breiten. K. Schoy, 234*

Laubmann, A., 865* Laufer, B., 390* Laughton, A. M., 791* Launay, L. de, 233* Laveleye, M. de, 154* Lawrence, Mass., Report of the Law-rence Survey. Studies in Relation to -, made in 1911, n., 779 Lawson, A. C., 707*; see also Reid, Laysan Is., Report of an Expedition to — [Hawaiian Bird Reservation.] H. R. Dill and W. A. Bryan, 153* Leachman's (Capt.) Journey Across Arabia, 446
Leadville Mining District, Map, n., 955 Leary, L. G., 308 Leclercq, J., 212, 394* Lecocq, A., 628* Ledermann, C., 150* Lee, C. H., 147* Leener, G. de, 772 Lefferts, W., 180, 387* Leffingwell, E. DeK., Returns from Leffingwell, E. Der., Returns From Alaska, 368, 620 Le Gallois, R. P., 157 Legendre, A. F., 231*, 631*, 870*; Itinéraires de la Mission Legendre au Kien Tch'ang et dans les Marches Tibétaines, n., 318; — dans l'ouest chinois, 1910-11, (maps), n., 319 Legendre, R., 394* Legras, J., 952* Legras, J., 952* Lehmann, B.: see Tacke, B. Lehmann, F. W. P., 73*, 398 Lehmann, O., 233*, 553*, 950* Lehnerts, Prof., Personal, 619 Leick, W., 782 Leighton -.. Personal, 619 Leipzig, Entwicklung der Verkehrs-strassen von — bis ins 18. Jahrhundert. J. Riedel, 154*; Das Stadtbild Leipzigs geographisch betrachtet. H. Rudolphi, 154* Leitch, D. C., 624 Leith, C. K. and A. T., 770 Le Marinel, Paul, Obituary, 51
Lemhi Co., Idaho, Geology and Ore
Deposits of — J. B. Umpleby, 944*
Lemoine, P., 73*, 632*, 633*, 718*,
950*, 958* Lemosof, Paul, Obituary, 372 Lempfert, R. G. K., 305 Le Munyon, E. C., 711* Lena (Cisotti-Ferrara, M.), 864
Lenguas: ¶Skizzen vom paraguayischen Chako und von der englischen Mission unter den Lengua-Indianern. K. Carnier, 628* Leprince, J., 312* Lepsius, R., 391*

Lepszy, L., 226 Leuchs, K., 637* Levainville, J., 153* Levat, M. D., 942 Levillier, R., 780* Levy, A., 147* Lewin, P. E., 870* Lewis, S. H., 68* Liaotung Peninsula, Report on the Leased Territory of —, 631* Liberia: **Q**Le Libéria et les Puissances; l'expérience américaine. R. de Caix, 788* LIBYA, Tripoli and Cyrenaica: Tripoli and Cyrenaica: ¶Con tributo alla flora della Libia in base a piante raccolte dall'ottobre 1911 al luglio 1912. A Béguinot and A. Vaccari, 313*; Fesân und seine Zukunft. E. Banse, 552*; Gewinnung von Esparto (Halfa-) gras in Libyen, 788*; La Guerra Italo-Turca (1911-12). J. Brissa, n., 704; L'Italia e l'Islam in Libia. A. Malvezzi, n., 864; L'Italia e l'Islam in Libia. P. Vigoni, 552*; I'Islam in Libia. P. Vigoni, 552*; Lettera sulla Libia del Dr. G. Schweinfurth. A. Borzi, 313*; In Libia. Impressioni di viaggio. A. Bossi, 151*; La Libia. G. Ricchieri, n., 771; Libia interna. G. Ricchieri, 552*; La Libia Italiana. G. Cora, 552*; La Liola Italiana. G. Cora, 788*; Ordinamento governativo della Libia, 552*; Pionieri Italiani in Libia, n., 144; Progetto di Missioni di Studio in Libia. G. B. Gioli, 313* ¶Maps: Carta dimostrativa della Libia. P. Galli, n., 157; La paix italo-turque l'organisation de la Libye, 313* Libyan Desert, Maps: ¶Das Gebiet wischen Assuan, Kurkur und dem Gebel Borga. K. Leuchs, 637*; Map to illustrate Paper by W. J. Harding King, n., 957 Lichtenheld, G., 947* Lichtervelde, J. de, 469* Lickert, Rev. Father, 229*
Licehtenstein, Tirol, Vorarlberg, und
—. K. W. v. Dalla Torre, n., 865
Liedekerke, R. de, 70* Lièvre, D., 471*
Lièvre, D., 471*
Liguria: ¶La pioggia nella regione
ligure. G. Anfossi, 633*
Ligurian Sea: see Genoa, Gulf of.
Lima Geographical Society, Anniversary of the —, 199 Lima, O., 468* Linck, G., 874*

Linlithgowshire. T. S. Muir. (Cambridge County Geographies), n., 548 Lisbon, Report for 1912 on Trade of the Consular District of -, 951*

Lissauer, A., 312*
Livingstone, David: ¶The Livingstone Centenery, 1913, 52; The Livingstone Centenary. A. W. Tilby, 628*; Centenary of His Birth, 628*; Centenary Medal, 365; Medal, 365; C. S. Horne, David Livingstone. David Livingstone.

n., 704; T. Hughes, n., 780;

n. Explorer. H. H. Livingstone as an Explorer. H. H. Johnston, 628*; J. W. Gregory, 954*; Livingstone and the Exploration of Central Africa. Sir H. H. Johnston, n., 384; A Review of his Work as Explorer and Man of Science. H. Johnston, 715*; Living-stone and Newstead. A. Z. Fraser, rev., 774

Lizard, Geology of the -. J. S. Fleet, 793*

Llanos, The Cattle Industry of the . (Venezuela and Colombia). Lefferts, 180

Lloyd, J. A. T., 622
Lober, E. see Moisel, M.
Locle, Description géologique des
environs du — et de la Chaux de

Fonds. J. Favre, 233* Lóczy, L. von, 471*; Les lois de Lóczy relatives à l'alluvionnement et aux sinuosités des rivières. G. Trenkó, 794*

Lodewyckx, A., 308*
Loess: ¶ Die Frage der Entstehung
des Lösses. G. Merzbacher, 634*

Lofoten Islands: ¶Landskapsfor-merne i det ytterste av Lofoten: ¶ Landskapsfor-En geomorfologisk studie. T. Vogt, 714*

Loisel, J., 309

¶ Geologische schets van Lombok: het eiland Lombok. J. G. B. Van Heek, 231*

London: Proceedings of the Society of Antiquaries of London, Session 1911-12, 466*; Temperature of 1912 in London, 233*

Longitude: ¶Determination of Time, Longitude, Latitude and Azimuth. W. Bowie, rev., 701

Longnon, A., 781

Longnon, J.: see Fossey, J. Loomis, F. B., 771

Lorenzi, A., 633*

Lorgas, A., 713*

Lorient, Le port de commerce de -: son avenir, 392*

Lorraine, L'évolution économique de la —. L. Laffitte, 153*

Löschner, H., 873*

Lossberg, O. v. and Behner, H., 240 Lot, Géographie du Département du A. Joanne, n., 865

Lötschberg Tunnel: ¶Inauguration de la ligne du Loetschberg. De Paris à Milan en 12 heures, 792*

LOUISIANA: ¶Population. Composition and Characteristics, Census 1910, 467*; Statistics of Agricul-ture, Census 1910, 228*; Zuckerrohr-, Baumwoll- und Reiskultur in Louisiana. Dr. Spahr, 147* ¶ Maps: Ashton Bridge Quad., n., 476; Milli-kin Quad., n., 476; Milliken Bend Quad., n., 555; Wilson Point Quad., n., 556

Reuning, 629*

Lüders, E., 951*

Luigi, G. de', 469*, 626*
Lukach, H. C. and Jardine, D. J., 866
Lukuga, Le problème de la —, 787*
Lumholtz, C. —, 768; —'s next Expedition 2011, and Briscompitter.

pedition, 201; - and Briesemeister,

Lundgren, E. L., 231* Lunzer, Der - Mittersee, ein Grundwassersee in niederösterr. Kalkal-

pen. G. Götzinger, 949* Lupton, C. T., 68*

Luschan, F. v., 771

Lusitania, Mt.: usitania, Mt.: ¶La Région du Mont Lusitania au Spitzberg. A. Dubois, 714*

Lutaud, Ch., 624

Luther, S. E., Personal, 527

LUZON: ¶First Grammar of the Language Spoken by the Bontoc Igorot. With Vocabulary, Mythology, Folk-Lore, etc. C. W. Seidenadel, rev., 777; Geologic Reconnaissance of Northwestern Pangasinan. P. R. Fanning, 231*; Geology of Luzon. W. D. Smith, 390* of Luzon. W. D. Smith, 390*

¶ Maps: ¶ Chart of Lamon Bay
and Polillo Is., 76*; Chart of
Verde Is. Passage, 76*

Lyall, Sir A. C. see Giles, H. A.

Lyde, L. W. and Mockler-Ferryman, A. F., 696

Lyne, R. N., 870*

Lyons: Report for 1912 on Trade Agriculture, etc., of Consular District of —, 193*

Lyons, H. G., 152*

Lyskamm, Le — dans l'histoire entre 1820 et 1861. W. A. B. Coolidge,

McAdie, A. G., 712*, 714* McCallie, S. W., 68*, 866* McCarthy, C. H., 145 McCaskey, H. D., 467* McClellan, W. S., 308; Personal, 620 McCormick, F., 936 McCrae, G. G., 234* McCullagh, F., 547 MacCurdy, G. G., 875* Macdonald, D. F., 68°; see also Calkins, F. C. McDonald, Penn., Note on a very Deep Well near —. I C. White, 784* MacDonald, W., 869*
MacDougal, D. T., 625*
Macedonia, Map: ¶Makedonien, Altserbien und Albanien. K. Peucker, McEwen, G. F., 452, 944* Macey, P., 549 McFarlane, [C. T.], Personal, 527 Macfarlane, J. J. 225*, 228*, 311*, 474*, 633*, 875*
McFee, I. N., 863
Macfie, J. W. Scott, 630*
McGee, W J. Memoir of —. F. H. Knowlton, 715*
McGilliyray. Duncan. Discovery of McGillivray, Duncan, Discovery of Wild Sheep by — in Canada in 1800. J. A. Allen, 549* McGilvary, D., 57 McGlashan, H. D. and R. H. Bolster, 626*; - and Dean, H. J., 147*

M'Grane, R. C., 626* Macgregor, J. C.: see Ellenberger, Machatschek, F., 153*, 314*, 391*, 467*, 479*, 553*

467*; - and Henshaw, F. F., 68*

Machetto, A., 880 McKenzie, F. A., 311*

M'Keown, R. L., 624 Mackie, R. C., 72* Mackinder, H. J., 875* McKinley, Mount: see Mount Mc-Kinley.

McLaughlin, F.: see Beaman, W. M. McMaster, J. B., 941

MacMillan, D. B., to Lead Crocker Land Expedition, 137

MADAGASCAR: ¶Antanànarivo Connected with the Sea by Rail, 763; Le chemin de fer de Tananarive à Tamatava, 789*; Étude géographique et géologique sur le Menabe. A. Buhrer, 789*; La flore de —. C. Lamberton, 313*; Fra

Fjerne Kyster. Skisser fra Missionsarbeidet og livet paa Vestky-sten av Madagaskar. E. Birkeli, 704*; Mission géodesique à —. Carrier, 948*; Pécheries coloniales. L. Bony, 948*; Les plantes à caoutchoue du versant ouest de -. P. de la Bathie, 313*; Richesses minérales. M. D. Levat, n., 942; Voyage à Madagascar (1910-11). E. Richet 789* ¶ Maps: Calque Richet 789* ¶ Maps: Calque tectonique de la région d'Andribe. Capt. de Martonne, 957*; Carte schématique de la région Mevatana-Majunga, 957*; Schéma tectonique de la région située entre Tananarive et Mevatanana, 957*

MADEIRA: Crociere del Corsaro alle Isole Madera e Canarie. Narrata del Cap. E. A. d'Albertis, rev., 213; Insel Madeira. Photographische Wiedergabe einer Reliefkarte zur Erläuterung des vulkanischen Baues dieser Insel. Mit Begleitwort von A. Stübel, rev., 463; Report for 1912 on Trade and Commerce of -, 952*

Madeira-Mamoré R.R., Geographical Aspects of the New —. I. Bowman, 275; Madeira-Mamoré Railway Co. A. Hale, 311*
Maddren, A. G., 866*
Madsen, E., 869*
Mafulu, The — Mountain People of

British New Guinea. R. W. William-

son, rev., 937 Magellan, F.: ¶Kurs der Magellan-schen Flotte durch die indische Inselwelt auf der ersten Erdumseg-lung 1519-22. O. Koelliker, 231*

¶Map, n., 239 Magistris, L. F. de, 555*, 713*

Magnaghi, A., 633*

MAGNETISM, TERRESTRIAL: Bestimmung der Elemente des Erdmagnetismus und ihrer zeitlichen Aenderungen, H. Fritsche, 794*; Erdmagnetische Deklination um das Jahr 1500. H. Fritsche, 234*; Gegenwärtiger Stand der magnetischen Vermessung der Erde durch die Carnegie Institution of Washington. L. A. Bauer, 872*; Land Magnetic Observations 1905-10. L. A. Bauer, 625*; Magnetic Declinations and Chart Corrections obtained by the Carnegie from Batavia to Manila and thence to Suva, Fiji, Nov. 1911 to June 5, 1912. L. Bauer and W. J. Peters, 74*; L. A. from Suva, Fiji, to Papeete, Tahiti, July to Sept., 1912. L. A. Bauer and W. J. Peters, 553*; MagMagnetism-Cont'd.

netic Survey Work of Dept. of Terr. Magnetism, in 1912, 289; Die magnetische Aufnahme der Erde. W. Krebs, 873*; Results of Observa-tions at the U. S. Coast and Geod. Surv. Magn. Observ. at Cheltenham, Md., 1911-12. D. L. Hazard, 944*; near Honolulu, 1909 and 1910. D. Hazard, 153*; — near Tucson, Ariz., 1909-10. D. L. Hazard, 466*; Seismology, Terrestrial Magnetism and Gravity. O. Klotz, 794* Map: ¶ Übersicht der erdmagnetischen Observatorien 1913. K. Schering,

Magoon, C. E., 148* Mahaffy, J. P., 782* Maheu, J., 233* Mahlke, A., 874*

Maine: Agriculture. Farms, General Farm Crops, etc. Census 1910, 147*; Bibliography of Maine Geology, 944*; Population, Composition and Characteristics, Census 1910, 467*; River and Lake Surveys, 944*; State Water Storage Commission of Maine, Second Annual Report, 1911, 69*, 3d Annual Report, 1912, 944* ¶ Maps: Buckfield Quad., n., 556; 3 Charts: Abagadasset Point to Court House Point; Court House Point to Augusta, Kennebec R., n., 75; Cape Elizabeth to Kennebunkport, 75*

Mainka, K., 874*
Mainov, L. I., 632*
Maior, O., 154*

Maisch, K., 793*
Maisch, K., 793*
Maitland, A. G., 712*; — and Montgomery, A., 470*
Maitre, H., 78, 231*

Malay States, Federated: ¶Geology and Mining Industry of the Kinta District, Perak. J. B. Scrivenor, n., 864

Mallett, J., 229*

Malm, E. A., 952* Malthus and Some Recent Census Returns. G. G. Chisholm, 394*

Malvezzi, A., 864

Mammoth Cave of Kentucky, Wonders of the Great - Containing Historical Sketches, etc. J. W. Turner, n., 384

MAN. See also Anthropology: Ancient Man, His Environment and his Art. G. G. MacCurdy, 875*; Ancient Types of Man. A. Keith, rev., 382; The Art of the Cave rev., 382; The Art of the Cave Man. C. Wissler, 234*; An Ex-tinct Species of Man, 234*; The Future of the Race: Study in

the Present-Day Aspects of Social Bedson Fresht-Day Aspects of Social Bionomies, J. Glaister, 394*; Gravel Beds of Farnham in Relation to Palaeolithic Man. H. Bury, 953*; Man and His Conquest of Nature. M. I. Newbigin, rev., 542; Man and the Earth. A simple reader in human geography. J. W. Page, 145*; Men of the Old Stone Age. With Account of tour through Principal Cavern Regions of South-western Europe. H. F. Osborn, 394*; Origin and Antiquity of Man. G. F. Wright, rev., 306; Palaeolithic Man and Terramara Settlements in Europe. R. Munro, rev., 304; Rassen und Völker. L. Wilser, n., 706; L'Uomo secondo le Origini, l'Antichita, le Variazioni e la Disgeografica. tribuzione Sistema naturale di Classificazione. G. Sergi, rev., 543; Die Urgesellschaft und ihre Lebensfürsorge. K. Weule, n., 309

MANCHURIA: ¶The Campaign in Manchuria 1904 to 1905, 2nd Period: Decisive Battles. F. R. Sedgwick, n., 308; Fra Manchuriet. J. Nyhelm, 864*; Report on Commercial Conditions in North - and Trade of Harbin for 1911. Consul

Willis, 231*
Manchus, China and the —, H. A.

Giles, n., 66
Manetti, C., 313*
Mangin, C., 630*
Mangum, A. W.: see Landes, H. Manitoba, Map: ¶ Sectional Map of Western Canada, Manitoba, etc., n.,

Manly, C. M.: see Langley, S. P. Mann, O.: see Giles, H. A.

MAPS: see also Atlases and Cartography: ¶Carte aéronautique militaire du Service Géographique de l'Armée. P. Pollacchi, 873*; Die Herstellung von Luftschifferkarten, 234*; Intern. Air Map and Aeronautical Marks. C. Lallemand, 234*; Zur Luftschiffahrtskarte des Deutschen Luftschifferverbandes. H. Kiessling, 554*; Cartes géographiques et leurs projections usuelles. L. Defossez, n., 385; Carte Intern. de la terre au 1:1,000,000. P. Pollacchi, 873*; The International Map. C. M. Watson, 234*; Orthographie et transcription des noms sur la carte internationale de la terre à l'echelle de 1/1,000,000. P. Pollacchi, 873*; Catalogue of Maps, Plans and Charts in the Map Room of the

Maps-Cont'd. Dominion Archives. H. R. Holmden, 943*; Geographical Maps published by the Historical War Commission of the Russo-Japanese War, N. A. Korf, 554*; Über geologischagronomische Karten und Bedeutung für Land- und Forstwirt-schaft. W. Schottler, 234*; Handschriftliche Überlieferung der Ptolemäuskarten. J. Fischer, 75*; New Ptolemy Maps in the Map Room of the Amer. Geogr. Soc., 365; Recent Additions to Map Collection of the Amer. Geogr. Soc., 614; Dr. Stevenson's Handbook, 365; Inter-national Exhibition of Wall Maps, 451; Interpretation of Topographic Maps. A laboratory manual for use in connection with topographic maps of the U. S. Geol. Survey. R. D. Salisbury and A. C. Trow-bridge, n., 386; A Course in Topographic Mapping, 451; Das Kartenlesen. Erklärung der Spezialkarte 1:75,000 und der Generalkarte 1:200,000. G. Fambri, rev., 222; Kartenkunde. I: Die Projektionen; II: Der Karteneinhalt, M. Groll, rev., 542; Maps: How they are made; how to read them. H. N. Dickson, rev., 382; Map Projections. A. R. Hinks, rev., 382; Eine neue Methode geomorphologischer Kartendarstellung. H. Gehne, 75*; Notice des Documents exposés à la Section des Cartes. L. Vallée, 234*; Ordnance Survey Maps, Their Meaning and Use, with Descriptions of Typical Sheets. M. I. Newbigin, 385; Photographic reproduction of Cabot's large world map of 1544, n., 443; Zum Problem der wirtschaftsgeographischen Karten. O. Nemeček, 234*; On Proper Map for Determining Location of Earthquakes. W. L. G. Joerg, 760*; Über Touristenkarten. J. G. Rothaug,

MAPS, NEW: Maps issued by United States Government Bureaus, 75, 316, 395, 475, 555, 635, 715, 795, 876, 955

North America, 76, 155, 235, 317, 477, 556, 636, 716, 796, 876

234*

Central America and West Indies, 317, 716, 797, 956

South America, 77, 156, 237, 637, 717, 797, 876, 957

Africa, 77, 156, 238, 317, 395, 478, 558, 637, 717, 797, 876, 957
Asia, 78, 158, 238, 318, 396, 479, 559, 718, 798, 877, 958

Australasia and Oceania, 159, 319, 559, 638, 718, 879, 958

Europe, 79, 159, 239, 319, 397, 479, 559, 638, 718, 798, 879, 958 Polar 80, 160, 239, 399, 560, 639,

879, 959 World and Larger Parts, 80, 240, 320, 480, 560, 639, 719, 799, 960

Cartographical, 719 Educational, 160, 240, 639, 720 Atlases, 240, 400, 720, 799, 880

MARBURG: ¶Die räumliche Entwicklung der Stadt Marburg. M. Hoffer, 471* ¶ Maps: Entwicklung des Stadtbildes von Marburg. J. Paulsen, n., 799; Geologische Überzicht sicht der Umgebung von Marburg a. d. Lahn. E. Vatter, n., 799; Das Lahnbett bei Argenstein und Roth. O. Maull, n., 799; Orographische Übersicht der Umgebung von Marburg. J. Graefen, n., 799
Marc-Schrader, L., 869*
Marchand, H., 473*

Marckwald, E., 629*

Marcuse, A., 782 Marces, P. De: see De Marces, P. Marek, R., 232*

Marés, R., 71*
Marine Transportation: ¶Steamship
Conquest of the World. F. A. Talbot, rev., 224

Marinelli, O., 633*; —, and Platania, G., 634*; see also Dainelli, G. Marini, L., 633*

Marken Island: Marken and its People. G. W. Edwards, rev., 376 Markham, Sir Clements, 715*, 797, 780 Marmier, Gen.: see Torcy.

Maros Valley: ¶Sur les données géologiques rélatives à la formation de la vallée du Maros. E. Gaal, 713* Marquardsen, H., 150*, 152*, 628*

Marrakesh: ¶Délivrance de Marrakesh et les opérations de pacification. C. Mangin, 630*; Les deux capitales du Maroc: Fès et Merra-kech. H. Bardon, 70* ¶ Map: Région de Marrakech, n., 479

Region de Marrakeen, n., 479
Marsh, M. C., 311*
Marshall, P., 67, 301; —, Speight, R. and Cotton, C. A., 152*
Marshall, R. B., 68*, 235*
Marsters, V. F., 388*
Martel, E. A., 391*; L'opera di — e la geografia sotteranea. F. Musoni, 634* 634*

Martelli, A., 871*, 948* Marten, G. M., 314*
Martin, A., 152*
Martin, C., 150*
Martin, G. C., 467*; —, F. J. Katz

and T. Chapin, 635

Martin, Joseph, Le dernier voyage de — à travers la Chine et l'Asie centrale, 1889-92. (Résumé et extraits de son journal de route.) A. Allemand-Martin, 231*

Martin, L., 533, 760*, 801; Glacial Studies by —, 524; Personal, 620; see also Tarr, R. S.

Martin, M., 780 Martin, W. F. and Pierce, C. H., 949* Martinique, Annuaire de la - 1912, n., 780

Martonne, E. de, 471*, 472*, 473*

632*, 952*; — and Murgoei, M., 472*

MARYLAND: QLand System in

Maryland, 1720-1765. C. P. Gould, 625*; Population, Composition and Characteristics, Census 1910, 467* Report for 1912 on the Trade of Consular District of Baltimore, comprising the States of Maryland, etc., 784*; Statistics of Agriculture, Census 1910, 228* Maps: Fenwick Is. Light to Chincoteague Inlet, 76*; Gettysburg Battlefield and 956; Vicinity, n., Williamsport

Quad., n., 316 Mascarene Islands: ¶Zur Landeskunde der Maskarenen. A. Baehr,

Maschke, -: see Sympher, Ing.

Mason, J. A., 228*

MASSACHUSETTS: Agricul-Statistics, Farms, General Crops, etc., Census 1910, 147*; Population. Composition and Characteristics, Census 1910, 467*; Proc. Mass. Hist. Soc., Oct. 1911 - June 1912, 148*
Matadi, Improvements at —, 763
Matanzas, The Great Roque Canal

of -, 785*

Matavanu Volcano: ¶Der Matavanu auf Savaii im Jahre 1912. Nach Mitteilungen W. Grevels. K. Sapper, 553*; Nachklänge zum Mata-vanú-Ausbruch. K. Sapper, 72*

Matha, A. and Rey, J. J., 302 Mathematics: ¶B. G. Teubner's Verlagskatalog auf dem Gebiete der Mathematik, Naturwissenschaften, Technik nebst Grenzwissenschaften, n., 145

Mather, I. F., 863* Matienzo, J. N., 780

Matthes, F. E., 147*, 367, 387*, 783*; -'s Lectures on Mount Rainier, the Yosemite and Topographic Delineation, 367; Personal, 530

Matto Grosso, Reisen in -- im Jahre

1910. M. Schmidt, 868*
Maudsley, A. P., 310*; see also García, G.

MAURETANIA: ¶Les chroniques de la Mauritanie sénégalaise par Ismaël Hamet: Extrait analytique. Col. Gard, 629*; La Mauritanie, 869*, 947* ¶Map: Régions au 869*, 947* ¶Map: Régions au Nord et Nord-ouest de l'Adrar. G. Schmitt, n., 718 Maurice, F., 385 Maus, L. M., 470*

Mawson, D., 871*; -'s Expedition. 691; Mawson in the Antarctic, 930; -'s Expedition to Wilkes Land, 137; A Wireless Despatch from -, 527

Mawson, J., 946* Maxon, W. R., 873*

ayas: ¶Preserving Mayan Ruins in Yucatan, 761; A Study of Maya Mayas: Its Subject Matter and His-Art: torical Development. H. J. Spinden,

Mayer, T. F. G., 555*

Mayor des Planches, E., 455 Mayotte: ¶ Mayotte et Dépendances. Statistiques du Commerce

1909, 230*, pour 1910, 788*
Mazelle, E., 705
Mazières, M. de, 71*
Mead, D. W., 634*

Meany, E. S., 866*

Mecca: ¶A Modern Pilgrim in

Mecca and a Siege in Sanaa. A. J. B. Wavell, rev., 374; Pilgrim Travel by Sea to Mecca, 850 Mecking, L., 390*; Personal, 693

Mecklenburg, Duke Adolf Friedrich

of —, Personal, 693 Medical Science and the Tropics. Sir

Ronald Ross, 435 Mediterraean Coasts: TElenco dei fari, fanali, segnali marittimi, etc. Mare Mediterraneo, etc., 873*

¶ Mittel-Mediterranean Countries: meerbilder. Abhandlungen Kunde der Mittelmeerländer. Th. Fischer, 2. Auflage besorgt von A. Rühl, rev., 862

MEDITERRANEAN SEA: ¶Materiali per la conoscenza del Mediterraneo, I: Della corrente litorale del Mediterraneo con particolare riguardo alla costa orientale della Sicilia. O. Marinelli and G. Platania, 634*; II: Le attuali conoscenze sul fenomeno marea nel Mediterraneo. G. Grablovitz, 633*; III: Osservazioni talassologiche fatte nello Stretto di Messina durante l'anno 1908. L. Marini, 633*; Quarant'anni contro la pirateria nel Mediterraneo. L. Busu, 554*; Strategischen Passagen und Engen des

Med R W 5 M

H Mel E Mel d

9 Mei Mei Mel n W

> n τ

is n Me Me Me Me 1

Me Me

Me

(1 Me Me (

Me Me Me Me

M M Me

M

Mediterranian Sea—Cont'd.
Mittelmeers. P. Rohrbach, 153*; R. v. Sterneck: Über die Gezeiten im westlichen Mittelmeer. A. Defant, 554*; Windverhältnisse im östlichen Mittelmeer und seinen Randgebieten. H. Krugler, 873*

Mehedia: ¶Le port de Mehediya. E. Lagorio, 70*

Mehedinti, Sur l'évolution du relief du plateau de -. E. de Martonne,

Meinardus, W., 872*

Meinhof, C., 771

Melanesia: ¶ Island-Names in Melanesia. W. H. R. Rivers, 152*; Reisewege und Aufenthalte in Melanesien. O. Schlaginhaufen, rev., 300; Untersuchungen über eine Melanesische Wanderstrasse. G. Friederici, n., 704

Meldola, R., 699 Meldon, J. A., 787* Mena, J., 627*

Menabe, Étude géographique et géologique, sur le —. A. Buhrer, 789*
Menant, D. see Giles, H. A.
Mendenhall, W. C., 556
Mendoza: ¶Informe sobre el Estado

de la minería en los distritos mineros de los Buitres y Valle Hermoso. J. Mena, 627*

Meniaud, J., 869* Mercator, Gerhard: ¶Gerhard Mercator, M. Gioll, 234*; Le 400e anniversaire de la naissance de Gérard Mercator à la Soc. de Géogr. d'Anvers, 954*

Meridian Arc: ¶ Die äquatoriale und die arktische Meridianbogenmessung. E. Hammer, 873*

Merrick, G. B. and Tibbals, W. R.,

Merrill, G. P., 147*

Merrimac River Basin. C. C. Babb, C. C. Covert, and R. H. Bolster, 310*

Merritt, M. L., 231

Merz, A., 74*, 393* Merzbacher, G., 314*, 315*, 390*, 634*; Wiss. Ergebnisse der Reise von Prof. Dr. — im zentralen und östlichen Thian-Schan 1907-8. 1: Vögel. A. Laubmann, 2: Fische. E. Zugmayer, 3: Mollusken. Weber, 865*

Mesa Verde National Park, General Information Regarding - 1912,

MESOPOTAMIA: The Garden of Eden and Its Restoration. W. Willcocks, 152*; Irrigation in -, 135;

In Nordostarabien und Südmesopotamien. S. von Bourbon von Parma and A. Musil, 711*; Petroleum in —. J. Grassmann, 948*; Sir William Willcock's Survey. H. G. Lyons, 152* ¶ Maps: Lower Mesopotamia between Baghdad and the Persian Gulf, n., 239; Lower — from Surveys made under the Direction of Sir William Will ocks, 1909-11, 78 n.,

Messina: ¶On Recent Sea-Level Variation at the Italian and Austrian Mareograph Stations and the Cause of Messina-Reggio Earthquake of 1908. F. Omori, 553*

Messina, Strait of: Osservazioni talassologiche fatte nello Stretto di Messina durante l'anno 1908. Marini, 633* Metals: ¶The Metals in Antiquity.

W. Gowland, 474

Metcalfe, G., 783*

Meteoric Stones, Preliminary Note on the Shower of — near Holbrook, Ariz. W. M. Foote, 68*; A Recent Meteorite Fall near Holbrook, Ariz. G. P. Merrill, 147*

METEOROLOGY. see also Climate, Weather, etc.: ¶ Diagrams of Storm Tracks and Thermo-Isopleths. J. I. Craig, rev., 304; Frost Fighting, 445; The Lan-guage of Meteorology. C. F. Talman, 794*; Neue Grundlagen der Meteorologie. P. Hoisty, rev. 217; Relation between Nile Floods and the Rainfall of Santiago. R. C. Mossman, 926; Verhältnis Waldes und des Gebirges zur Erhaltung des Schnees. J. E. Church, 874*

Methodology: ¶ Scientific Method:
Its Philosophy and its Practice.
F. W. Westaway, rev., 546
Metric System, The — in all Its Details compared with American

Weights and Measures. Bayer, n., 782 Meunier, A., 698

¶ Notable Example of Meurthe: Stream Piracy in Europe, 691; La preuve définitive de la capture de la Moselle par la —. P. Lemoine, 632* ¶ Map: Capture de la Moselle

par la Meurthe, 718*

MEXICO: ¶Anuario de Estadística Fiscal 1911-12, 785*; Facts and Figures about Mexico and Its Great Railway System, 388*; Mexico. General Descriptive Data prepared in June, 1910, 550*; Mexico. General Sketch by the Pan American Union, Mexico—Cont'd. rev., 140; A Mexican Journey. E. H. Blichfeldt, 863; New Trails in Mexico. C. Lumholtz, rev., 768 ¶ Agriculture and Commerce: Commerce of Mexico for 1911, 550*; Kaffee: Kultur, Handel und Bereitung im Produktionslande. W. Garvens, Jr., 945*; Kaffee-Kultur in Guatemala und Mexiko. W. G. Hagnauer, 146*; Mexican Year Book. Financial and Commercial Handbook, 1912, n., 225; Reports for 1912 on the Trade of Various Consular Districts, 867*; Report for 1912 on Trade of Mexico, 945* ¶Climate: Boletín Mensual del Observatorio Meteorológico Magnético Central de Mexico, Dec., 1911 to Nov., 1912, 867*; Shifting of Climatic Zones as Illustrated in Mexico. E. Huntington, 1, 107 Geography: Comisión Geográfico-Exploradora, 762; Geography by Grades. 6A: Mexico, West Indies, etc. H. B. Niver and E. D. Farrell, rev., 220; Reseña de la Segunda Sessión del XVII Congreso Internacional de Americanistas, etc., rev., 373 THistorical: Histoire légendaire de la Nouvelle-Espagne. Comte de Charencey, 310*; The True History or the Conquest of New Spain. Bernal Diáz del Castillo, Edited by G. García, transl. by A. P. Maudslay, n., 144; The Viceroy of New Spain. D. E. Smith, 368* ¶ Minerals: Enrichment of Sulphide Ores. W. H. Emmons, 625*; Petroleum Fields of N. E. — between Tamesi and Tuxpan Rivers. I. C. White, 785* ¶ Maps: Carta de la República Mexicana à la 100,000a., n., 636; Early Maps of North American continent . . . Humboldt's Compilation of 1812, incorporated with the Atlas of New Spain, etc., 285*; Map of Mexico, Comisión Geo-443*; gráfico-Exploradora, Map Showing Papago Rancherias, Present and Past. C. Lumboltz and A.

Briesemeister, n., 76 Meyer, H., 469*, 634* Meyers Historischer Handatlas, n.,

Meyssonnier, -, 629* Miami River Basin. A. H. Horton, M. R. Hall, and H. J. Jackson, 311* A. H. Horton, Michel, R., and Bucherer, M., 308 Michelson, T., 707* Michieli, A., 941 MICHIGAN: ¶Some Geographic In-

fluences in the Settlement of - and in the Distribution of its Population. G. J. Miller, 321; Population. Composition and Characteristics, Census 1910, 467*; Statistics of Agriculture, Census 1910, 228*; University of —, Geogr. Courses at the Summer School, 528 ¶ Map: Lansing Quad., 316*
Micmac Indians:

Brief Account of

Micmae Indians of Nova Scotia and Their Remains. H. Piers, 709* Middlesex. (Cambridge County Geographies). G. F. Bosworth, n., 465 Mielke, R., 781

Mikkelsen, E., 714*, 862; Map showing route of —'s Expedition, 1909-12, n., 560; Sketch Map to illustrate -'s Exp. to N. E. Greenland, 1909-12, n., 560 Mikula, H., 553* Milan Geogr. Society:

IL 'opera della Società Italiana di Esplorazioni Geografiche e Commerciali di Milano dal 1879 al 1913, 713

Mill, H. R., 74* Millar, T. L., 875*
Miller, B. L.: see Clark, W. B.
Miller, E. R.: see Kimball, H. H. Miller, G. J., 321; Personal, 620 Miller, G. S. Jr., 228* Miller, W. H., 153* Milliner, B. A., 475* Millot, J. A., 389*

Milne, John, Obituary, 857; John Milne, Seismologist. L. H. Hoover,

Mineralogy, Dana's Manual of - for the student of elementary mineralogy, etc. W. E. Ford, n., 386

ogy, etc. W. E. Ford, n., 386 ining: ¶Law of Pay-Streak in Placer Deposits. J. B. Tyrrell, n., Mining: 706; Prospector's and Manual. O. H. Parker, n., 706

MINNESOTA: ¶Guide Garden. F. E. Clements, C. O. Rosendahl and F. K. Butters, 783*; — Biographies 1655-1912. W. Upham and R. B. Dunlap, 69*; - Trees and Shrubs. F. E. Clements, C. O. Rosendahl and F. K. Butters, n., 384; Population. Composition and Characteristics of —. 13th Census of the U. S. 1910, 708*; Scarborough's Road Map and Motor Guide of Minnesota, n., 703; Social and Economic Survey of Rural Township in Southern —. C. W. Thompson and G. P. Warber, 626*; Statistics of Agriculture, Census 1910, 228*;

Minnesota—Cont'd. State Normal

School, Summer Courses in Geography, 619; University of -, Summer courses in Geography, 619; ¶Maps: Chokio Quad., n., 316; Morris Quad., n., 316; Wendell Quad., n., 316 Minorca: ¶Guia de Menorca, n., 309 Miquelon: ¶Statistiques du com-

merce des colonies françaises pour 1910: Saint-Pierre et Miquelon, 148*

Mirim Lagoon, Map: ¶Carta das Lagôas dos Patos e Mirim mostrando e linha de navegação entre os portos interiores e a Barra do Rio Grande do Sul. N. Pujol, n.,

Misol Island: ¶ Ethnologische Notizen über die Inseln Timor und Misol. J. Wanner, 948* Missions: Their Rise and Development. L. Creighton, n., 546

MISSISSIPPI RIVER: ¶Annual Report of Mississippi River Commission, for Year ending June 30, 1912, rev., 291; Early Voyages Up and Down the —, by Cavelier, St. Cosme, Le Sueur, Gravier and Guignas. J. G. Shea, rev., 207; Water Power on the Middle Mississippi, 444

MISSISSIPPI, STATE: ¶Population. Composition and Characteris-tics, Census 1910, 467*; Statistics of Agriculture, Census 1910, 228* ¶Maps: ¶Hollywood Quad., n., 476; Lake Cormorant Quad., n., 476; Lula Quad., n., 476; Moon Lake Quad., n., 476

Mississippi Valley, Discovery and Exploration of the — with Original Narratives of Marquette, Allouez,

etc. J. G. Shea, n., 207 Missoula, From — to Walla Walla in 1857, on Horseback. F.H. Woody, 69*

MISSOURI: ¶Geographical Interpretation of Missouri. F. V. Emerson, 310*; Geography of Missouri. F .V. Emerson, rev., 373; Gold Derosits of —. H. Hinds, 866*; The New Madrid and Other Earth-quakes of —. F. A. Sampson, 708*; Population. Composition and Characteristics. 13th Census of the U. S., 1910, 708*; Scarborough's Road Map and Motor Guide, n., 703; Statistics of Agriculture, Census 1910, 228*; University of —, Geography at Summer School, 528 ¶Maps: Aurora Quad., n., 316; Generalized Relief Map of -, n., 237; Generalized Map showing physiographic divisions of -, n., 237; Relative position of Missouri with respect to the Prairies, the Ozarks and the Mississippi Lowlands, 237*

Missouri, University of -, Geography

at Summer School, 528 Mittelstaedt, W., 788*, 947* Mixter, G., Personal, 767

Mockler-Ferryman, A. F.: see Lyde, L. W.

Mohammedan World: ¶A Travers le Monde Musulman Ancien et Moderne, de Tanger à Tlemcen par les Cités Maures d'Andalousie. P.

Clerget, 633* Mohawk Valley: ¶Fault-Block Topography of the —. G. B. Roorbach, 867*; Mohawk Valley and Lake Ontario. E. P. Morton, 779* Mohn, 551*

Moï (French Indo-China): ¶Les jungles Moï. A. Cabaton, 711*; Notice sur les moeurs et coutumes des Moï de la région de Dalat. J. Canivey, 711*

Moisel, M., 313*, 558, 710*, 869*; —, Lober, E., and Others, 478; — and Ketzer, H., 638; —, Schultze, L. and Behrmann, W., 718; see also Sprigade, P. Molchanov, L. A., 631*

Moldau-Elbe, Die Terrassen der zwischen Prag und dem Böhmischen Mittelgebirge. R. Engelmann, 553* Moltke, C. O. P., 704* Monaco, The Prince of — and Oceano-

graphical Research. W. S. Bruce, 155*

Moncton, H. W., 714*

la Question du régime monétaire dans les colonies. M. de Laveleye, 154*

MONGOLIA: ¶ Die Mongolei. T. v. Trotha, 231*; Les Découvertes du Prof. Sapojnikoff dans l'Altaï de Mongolie, n., 547; Mongolei. Stum-voll, 231*; Die Nordwest-Mongolei. J. G. Granö, 71* ¶ Maps: The Basin of Upper Yenisei and surrounding regions. D. Carruthers, n., 559; Karlik Tagh and Barkul Mountains. From Survey by D. Carruthers . . . and A. Stein's Surveys of 1906-8, n., 559 Monmouthshire, Transport Facilities

in the Mining and Industrial Dis-tricts of South Wales and —. C. S.

Howells, n., 226
Monongahela River Basin. A. H. Horton, M. R. Hall, and H. J. Jackson, 311*

Montague, P. D., 871*, 879*

MONTANA: GGeology and Ore Deposits of Philipsburg Quadr. W. H. Emmons and F. C. Calkins, 866*; Lignite in Montana. W. R. Calvert, C. F. Bowen, and Others, 67*; Phosphates in Idaho and Montana. A. R. Schultz, R. W. Richards and J. T. Pardee, 311*; Population. Composition and Characteristics, Census 1910, 467*; Report for 1912 on Trade and Commerce of -, 867*; Statistics of Agriculture, Census 1910, 228*; University of -. Geography at the Summer School, 527 Chelsea Quad., 476*; Maps: Hay Creek Quad., 476*; Lolo Quad., 955*; Marias Pass Quad., n., Missoula Quad., 476*; Poplar Quad., 476*; Smoke Creek Quad., 476*; Clason's Industrial Map of Montana, n., 478; Geol. Map and Sections of Philipsburg Quadr. F. C. Calkins, D. r'. Macdonald, and Others, 795*; Topographic Map of Philipsburg Quad. Showing Location of Mines, 1912, 795* ontana University, Geography at

Montana University, Gethe Summer School, 527

Montandon, G., 77

Monte Bello Islands. P. D. Montague,

871*; Map, n., 879

MONTENEGRO: ¶ Durch Albanien und Montenegro. Betrachtungen zur Völkerkunde, Politik, usw. H. Grothe, rev., 860; Eine Fahrt durch das südwestliche - 1912. R. Prerovsky, 792*; Fünfter Beitrag zur Flora von — J. Rohlena, 792*; Monténégro. A. Muzet, 865 **q Map**: Sketch Map of Sanjak of Novibazar, n., 879

Montessus de Ballore, Comte de —. C. B. Hammond, 715*

Montgomery, A.: see Maitland, A. G. Monzani, R., 868*

Moody, W. D., 225

Moon: ¶The Moon and the Weather.
O. Klotz, 74*; Die Einfluss des
Mondes auf das Wetter. G. Wagner, 474*, 794*; Time and Tide, a Romance of the Moon. Sir Robert

S. Ball, n., 145 Mordoff, — Personal, 619 Moreau, —, 630*

Moreli, J.: see Joubin, L. Moreno, F. P., Personal, 131

Morgan, A. E.: see Hidinger, L. L.

Mori, A., 145, 226

Morice, A. G., 626*

Morley, S. G., 550* Mornet, J., 150*

MOROCCO: ¶ Ceuta, Tetuán, Tánger y Breve Descripcion de la

Ciudad de los Sultanes y Algunas Curiosidades Arabes. J. A. de Curiosidades Arabes. J. A. de Eguilaz, 941*; Les deux capitales du Maroc: Fès et Merrakech. H. Bardon, 70*; La frontière Algéro-Marocaine. A. Colliez, n., 384; Au Marocalle. A. Collez, n., 507; Au Maroc. Par les camps et par les villes. G. Babin, n., 941; Le Maroc. A. Bernard, rev., 296; Nel Marocco. Di Lena (M. Cisotti-Ferrara), n., 864; En Marruecos. P. E. Nieto, 464*; A travers le Maroc. H. Bardon, 469*; Un mois de campagne sur la Moulouya par un chasregister in Manual part of the first seur d'Afrique, 630*; L'orée du Tafilalet. J. du Serre-Telmon, 71*; Les ports du Maroc, 710*; Le port de Rabat-Salé et le Bou-Regreg. De Carsalade, 313* ¶ Economic: Der Abschluss des Marokkohandels. H. Wichmann, 313*; Développement et ressources du Maroc occidental en 1912. J. L. de Lacharrière, 313*; An Economic Study of —, 762; L'élevage au Maroc. H. G. Saint-Hilaire, Maroe. R. Marés, 71*; Report for 1911 on the Trade of —, 313*; Situation économique du Maroc et ses liens commerciaux avec la France. M. de Mazières, 71* ¶ France and Spain in Morocco: La acción Marruecos, española en L'aube du Protectorat Marocain, 150*; Délivrance de Marrakech et les opérations de pacification. C. Mangin, 630*; L'oeuvre française au Maroc, 313*, 710*; La Rénova-tion du Maroc. R. Van Loo, 630*; Le traité franco-espagnol. R. de Caix, 313*; Le traité Franco-Espagnol du 27 Nov., 1912, 630*; Traité franco-espagnol du 27 Nov. 1912 et le protocole relatif au chemin de fer Tanger-Fez, 230* ¶ Geography: Geografía General de la Provincia del Rif y Kábilas de Guelaia-Kebdana; Beni-Said, Mtalsa, Beni-Bu-Iahi, etc. Situación geográfica, Estratégica y Commercial. G. Delbrel, 630*; Géographie élémentaire de l'Afrique de Nord (Maroc, Algérie, Tunisie). Gleyze, n., 941; Geologia de Marruecos y la génesis de sus grandes cordilleras. L. Gentil, 313*; Notes on Morocean Geography. A. G. on Morocean Geography. A. C. Ogilvie, 469*; Renseignements géologiques sur la région Chaouïa, 948*; Versuch einer bodenplestischen Skizze des Atlasvorlandes von Marokko. R. Zietz, n., 225 Population: Estado social de los

Morocco-Cont'd.

mahometanos en Marruecos. R. González, 630*; Le Maroc. La vie des zaiez, 050°; Le mator. nomades et des sédentaires, leur adaptation à la vie européenne. R. Revnaud. 789*; Population du Reynaud, 789*; Population Maroc, 948*; Les tribus du Maroc occidentale: Tableau de commandement des Sraghna, 630*; Les tribus du Maroc oriental, 630* ¶ Maps: du Maroc offentat, oor and Archael der Grenzbahn, 177*; westalgerischen Grenzbahn, Maroc: Essai d'une carte géologique. L. Gentil, n., 158; Maroc Occi-dental. L. Gentil: Itinéraires entre l'Oued Tensift et Agadir, n., 158; Neue Grenzen von Frankreich und Spanien in Marokko, usw., n., 396; Oase Bu-Denib, äusserster französischer Posten gegen den Hohen Atlas, 77*; Région de Marrakech, n., 479; Région sud et est de Mogador d'après la carte du Service cartographique de Casablanca, 759*; Verbindungen zwischen Fes, Taza und dem Wadi Muluya. M. Hübner, 77*; Verbindungswege zwischen der Schauja und der Oase Bu-Denib im Girtal, 77*; Zones d'influence du Maroc, n., 158

Morphology: ¶A German morphological Study. W. M. Davis, 362; Physiologische Morphologie: S. Passarge contra W. M. Davis. B. G.

Escher, 475*

Morton, E. P., 779

Moruca Indians. Rev. Father Lickert, 229*

¶ Notable Moselle: Example Stream Piracy in Europe, 691; Preuve définitive de la capture de la Moselle par la Meurthe. P. Lemoine, 632* ¶Map: Capture de la Moselle par la Meurthe, 718*

Moselle Region: Morphologie des Moselgebietes zwischen Trier und Alf. B. Dietrich, 362, 472*

Mosier, J. G.: see Hopkins, C. G. Mosquito-Proof and Storm-Proof House, A New — for the Tropics. T. F. G. Mayer, 555*

Mossman, R. C., 926 Mott, H. S., 291 Moubray, J. M., 142 Mougin, M., 765

Mount Baker: See Baker Mount.

Mount Hood, Mt. Adams and Mount St. Helens. The Guardians of the Columbia. J. H. Williams, rev., 141

Mount McKinley, Conquering H. C. Parker, 867*

Mount Mulligan Coalfield. L. C. Ball, 553*

MOUNT RAINIER: ¶Glaciers of Mount Rainier. F. E. Matthes, 367; Mr. Matthes's Lecture on Mount Rainier, the Yosemite and Topo-graphic Delineation, 367; A New Route up —. D. Keen, 387*; Undescribed Glaciers of -. F. E. Matthes, 387*; The Mountain that was "God," being a little book about the great peak which Indians named "Tacoma," officially called "Rainier." J. H. Williams, rev., 140

Mount Rainier National Park, Gen-

eral Information Regarding 1913, 784*

Mount Robson, Camp of Mountaineers near -, 616

Mount Washington, Glacial Cirques Near — J. W. Goldthwait, 228*
Mountaineering: ¶Camp of Mountaineers near Mt. Robson, 616; A

Fourth Visit to the Sikhim Hima-

Fourth visit to the Sikhim Hima-laya, with Ascent of the Kang-chenjhau, 789*; Mountaineering at High Altitudes. F. de Filippi, 690 MOUNTAINS: ¶Der Bau alpiner Gebirge. R. Lachmann, 874*; La circulation en pays de montagne. C. Biermann, 794*; Einfluss des Eises auf die Ausgestaltung der Hochgebirgstäler. A. Mahlke, 874*; Gebirgsbau und Erdbeben (Aus der Vorzeit der Erde.) F. Frech, rev., 380; Verhältnis des Waldes und des Gebirges zur Erhaltung des Schnees. J. E. Church, 874*

Moxly's Theory of Tides with a Chanter of Extracts from Moxly's Original Work. J. F. Ruthven, 943*

MOZAMBIQUE: see also Portuguese East Africa, under Africa: Agriculture of Mozambique, 870*; Notes of Mozambique Exploration. R. L. Reid, 870*; Rainfall. R. N. Lyne, 870* ¶ Maps: Geographical Results of Memba Minerals Expeditions of 1910-11. E. W. E. Barton and R. L. Reid. n., 877; Mozambique: Sketch of River Systems and Watersheds. A. Holmes, n., 877 Mufumbiro Mountains. E. M. Jack,

787*

Muir, J., Personal, 693 Muir, T. S., 548 Mulatto, Biological Status and Social Worth of the -. H. E. Jordan, 707*

Mulford, W.: see Phillips, F. J. Müller, W., 472*

Mumford, H. W., 149*; —, and Hall, L. D., 147*

Munger, T. T., 68* Munn, M. J., 387* Munro, R., 304 Munro, W. B., 292

Murase, G., 390* Murchison Range and District, Geology of the -. A. L. Hall, 230* Murgoci, M.: see Martonne, E. de. Murray, C. G., 863 Mushketov, D., 631* Musil, A., 375, 711*

¶Der Moschusochs im Musk-Ox: Diluvium Europas und Asiens. R. Kowarzik, 473*; Ontogenetic and other Variations in Muskoxen, with a Systematic Review of the Muskox Group, Recent and Extinct. J. A. Allen, 555*

Musoni, F., 144*, 313*, 634* Muzet, A., 865

Myrbach-Rheinfeld, O. v., 949* Myres, J. L.: see Freire-Marreco, B.

Mysia: Das östliche Mysien und die benachbarten Teile von Phrygien und Bithynien. A. Philippson, 632* ¶ Map, n., 958

N

Naegler, W., 74* Näf, J., 953*; see also Ghezzi, C. Nansen, F., 387*, 394*; see also Hel-land-Hansen, B.

Naples, Report for 1912 on Trade of the Consular District of -, 951*

the Consular District of —, 951*
Natal: ¶Rubber industry in Natal.
H. Noyes, 789*; Vegetation of
Natal. J. W. Bews, 789*
Natashquan River, Short Trip into

the Labrador Peninsula by Way of the -. C. W. Townsend, 867* Nathorst, A. G., 315*

National Geographic Society: ¶Researches in Alaska. L. Martin, rev., 533; — Map of Central America, Cuba, etc., n., 956

Nations: ¶Rassen und Völker. L. Wilser, n., 706 Navarro, L. F., 628* NAVIGATION: ¶Admiralty Man-

ual for the Deviations of the Compass. F. J. Evans and A. Smith, n., 706; Aids to Shippers, 387*; Elenco dei Fari, Fanali, Segnali Marittimi, Semafori e Stazioni Radio-telegrafiche. Coste d'Italia, Corsica, Gruppe Maltese, Mar Nero, etc., 873*; Navigation. W. Hall, n., 227; The Speed and Current Chronographer. A. G. Noble, 866; Steamship Conquest of the World. F. A. Talbot, rev., 224 Naville, E. and Hall, H. R., 864

Nazari, V., 144 ebraska: ¶Population. Composition and Characteristics, Census Nebraska: 1910, 467*; University of -

mer Courses in Geography, 619 Negroes: ¶Negro Year Book and Annual Encyclopedia of the Negro. M. N. Work, 944*; Some Remarks on the Nilotic Negro and a Review of Westermann's Shilluk People. J. A. Meldon, 787*; A Short Story of the American Negro. B. G. Brawley, rev., 931; Ultimate Solution of American Negro Problem.

E. Eggleston, rev., 931 Nellas, D. H., 228*, 235 Nelson, G.: see Gould, C. N. Nelson, N. C., 387* Nemeček, O., 234*

Nepal, Picturesque -. P. Brown, n., 464

Nestler, J., 786*

NETHERLANDS, THE: ¶Bull. de l'Institut Intern. de Statistique, Vol. 19, 1912, 154*; Holland of the Dutch. D. C. Boulger, n., 781; Door Hollands Watertuin en Heuvelland. J. van de Haghe, n., 384; Jaarboek Koninklijk Nederl. Meteorol. Inst., 1911, 553*; Das dem Meere entrungene Land. Plauderei über Holland. M. J. Brusse, 226*; Moderne Geographie von Neder-land. K. Zeeman, n., 781; Report for 1912 on Commerce and Finance of —, 951*; with Roosevelt Through Holland. M. J. Brusse, 226*; A travers la Hollande. L. and C. de Fouchier, 553*; Uma Viagem a Hollanda. M. J. Brusse, 226*; Un viaje en Hollanda. M. J. Brusse, 226*

Neu-Lauenburg, Ein Sammelaufenthalt in —. C. Ribbe, 152*

Neu-Mecklenburg: ¶Ein anthropolog. Querschnitt im Südosten von —. O. Schlaginhaufen, 152*; Ahnenfiguren aus Kreide von —. G. Antze, 553*; Über den Wert der Hochländer von —. K. Sapper, 872*

Neuquen Territory: ¶ Estado de la industria minera en el distrito minero de Milla Michi-Có y Malal Caballo del Territorio del Neuquen. J. Vatín and G. Barrié, 627*

EVADA: ¶ Population. Composition and Characteristics. 13th NEVADA: Census of the U.S. 1910, 708*; Recent Fault Scarps at Genoa, Nev. A. C. Lawson, 707*; Statistics of Agriculture, Census 1910, 228* Maps: Geologic Reconnaissance Map and Sections of Contact Dis-

Nevada—Cont'd. triet. N. W. Sweetser and F. C. Schrader, n., 636; General Geologic Map showing Relative Position of Jarbidge, Contact, and Elk Mountain Mining Districts. F. C. Schrader, n., 636; Geologic Reconnaissance Map and Section of Jarbidge Mining District, Elko County. R. D. Pickett and F. C. Schrader, 636; Lida Quad., n., 955

Newbigin, M. I., 385, 542

NEW CALEDONIA: ¶ Meine Reise nach den Strafkolonien. R. Heindl, rev., 538; En Nouvelle-Calédonie. D. Lièvre, 471*; Nouvelle Calédonie et Dépendances. Statistiques du commerce pour 1910, 232*; Rapport sur le fonctionnement du service des mines en 1909, 232*

New Chum Railway Mine, Bendigo, Report on Discovery of Auriferous Quartz at Depth of 4,156 Feet in

the -. E. J. Dunn, 712*

NEW ENGLAND: ¶ Effect of Forest Fires on Trees and Reproduction in Southern New England. P. L. Buttrick, 67*; Forestry in New England. R. C. Hawley and A. F. Hawes, rev., 292; New England Farming: Its Present and Future. W. Lefferts, 387*

Newfoundland: ¶Canada and Newfoundland. A. J. Sargent, n., 863; Newfoundland. F. Fairford, n., 779; Newfoundland Once a Peneplain. W. H. Twenhofel, 520

NEW GUINEA: ¶Carl Lumholtz's next Expedition, 201; Nova Guinea. Résultats de l'Expédition scientifique néerlandaise à la Nouvelle-Guinée en 1903 sous les auspices de A. Wichmann. vol. 1. ungsgeschichte von Neu-Guinea (bis 1828). A. Wichmann; Vol. II, 1re partie: Entdeckungsgeschichte von Neu-Guinea (1828 bis 1885), n., 704; Vol. II, 2ème partie: Entdeckungsgeschichte von Neu-Guinea (1885 bis 1902). A. Wichmann, rev., 300; Untersuchungen über eine Melanesische Wanderstrasse. G. Friederici, rev., 859

¶ Maps: Nouvelle-Guinée d'après strasse. les cartes de l'Amirauté anglaise, de l'atlas col. allemand, etc., n., 159

British New Guinea: see Papua. Dutch New Guinea: ¶De exploratie van Nieuw-Guinea, 152*; De Goliath en het aangrenzende Bergterrein van Centraal Nieuw-Guinea. F. F. Van der Ven, 791*; Über Pygmäen in Niederländisch-Süd-Neu-Guinea. A. J. P. v. d. Broek, Neu-Guinea. A. J. P. v. d. Broes, 791*; Pygmies and Papuans. The Stone Age of To-Day in Dutch New Guinea. A. F. R. Wollaston, rev., 376; De Wildeman-Rivier. F. F. Van der Ven, 152*; Dr. Wollaston's Work in —, 764

German New Guinea: see also Kaiser Wilhelms Land: ¶Gesamthandel des Schutzgebiets Neuguinea einschliesslich des Inselge-biets von 1900 bis 1910, 152*; Über das meteorologische Beobachtungswesen im Schutzgebiet Deutsch-Neuguinea im Jahre 1911. H. Marquardsen, 152*; Nachrichten von der deutschen Neuguinea-Expedition, 470*

NEW HAMPSHIRE: ¶ Agriculture. Statistics. Farms, Crops, etc., Census 1910, 147*; Following the Trail of Ice Sheet and Valley Glacier on the Presidential Range. J. W. Goldthwait, 866*; Forestry Conference, 867*; Population. Com-position and Characteristics, Census

1910, 467*

NEW JERSEY: ¶Origin and Present Distribution of Pine-Barrens. N. Taylor, 69*; Population. Composition and Characteristics. 13th Census of the U. S. 1910, 708*; Preliminary Report of Archaeological Survey of State of —. A. Skinner and M. Schrabisch, 626*; Report for 1912 on Trade, etc., 867*; Statistics of Agriculture, Census 1910, 228* ¶ Map: Cape May to Fenwick Island Light, 76*

New Madrid District, Map of Earth-quake Features of the —. M. L.

Fuller, n., 395

New Mecklenburg: see Neu-Mecklen-

burg.

NEW MEXICO: ¶Leading Facts of New Mexican History. R. E. Twitchell, rev., 768; Life Zones and Crop Zones in —. V. Bailey, 849; Population. Composition and Characteristics, Census 1910, 467*; Remarkable Earthquakes in Central
— in 1906 and 1907. H. F. Reid, 708*; Ruins of Prehistorie —.
N. C. Nelson, 387*; Statistics of Agriculture, Census 1910, 228*;
Some Useful Native Plants of —. P. C. Standley, 228*; Western Yellow Pine in Ariz. and —. T. S. Woolsey, 69* ¶ Map: Clason's Industrial Map of —. F. K. Jones and V. L. Sullivan, n., 478

New Orleans, City and Suburban , 46 Temperatures at .

NEW SOUTH WALES: ¶Ann. Rep. Dep. of Mines, 1911, 72*, 1912, 871*; Beach Formations at Botany Bay. E. S. Andrews, 791*; Coal Resources. E. F. Pittman, 72*; Introduction to Geology of —. C. A. Süssmilch, rev., 538; Notes on Physiography of Southern Tableland. C. A. Süssmilch, 364; Official Year Book of — 1911, 712*; Tin-Mining and the Distribution of Tin Ores in J. E. Carne, n., 465

New Spain: see Mexico.

NEW YORK CITY: On Some Climatic Changes Recorded in H. Arctowski, 117; Historic New York during Two Centuries, rev., 621; Die neue Wasserleitung von New York und ihr Hudson Tunnel. J. Partsch, 708*; The New York of Yesterday. Descriptive Narrative of Old Bloomingdale. H. S. Mott, rev., 291; Report on Disposal of City Wastes. C. W. Staniford, 467*;

Report on the Mechanical Equipment of N. Y. Harbor. B. F. Gresson, Jr., and C. W. Staniford, 387*
NEW YORK STATE: ¶Agricultural Advantages of —, 69*; Agricultural Advantages of —, 69*; Agricu culture in New York, Its Importance as Shown by Statistics, 69*; Statement of Agricultural Situation in New York State. L. H. Bailey, 67*; Proc. of 72nd Ann. Meeting of N. Y. State Agric. Soc., 1912, 69*; Statistics of Agriculture, Census 1910, 228*; 18th Annual Report, Dept. of Agric. for 1910, 69*; Forestry and Forest Resources in New York. F. A. Gaylord, 147*; Pleistocene Geology of -. H. L. Fair-Pleistocene Geology child, 625*; Population. Composi-child, 625*; Population. 13th Census of the U. S., 1910, 708*; Report for 1912 on Trade, etc. of Consular District of — (comprising New York, New Jersey, Rhode Island and Conn.), 867*; Report of the State Commission of Highways, 1912, 468* ¶Maps: ¶Dannemora Quad., 955*; Topographic Map of Niagara Gorge, n., 955

New York University, Summer Courses

in Geography, 619

NEW ZEALAND: Geology of New Zealand. P. Marshall, rev., 301; — Official Year Book, 1912, 465*; Recent and Sub-Recent Movements of Uplift and of Subsidence near Wellington. C. A. Cotton, 152*; Report of Dept. of Lands and

Survey, 1911-12. J. Strauchon, 152*; Report on Results of Census of the Dominion of -, April, 1911. M. Fraser, 792*; Trans. and Proc. of the N. Z. Institute, 1911, 152*; Younger Rock Series of —. P. Marshall, R. Speight and C. A. Cotton, 152* ¶Map: Map of Middle marsnail, K. Speight and C. A. Cott-ton, 152* ¶Map: Map of Middle Clarence Valley, Marlborough, 958* Neystrom, P. H., 395* Niagara R.: ¶Map of the Niagara Gorge, 849 ¶Map: Topographic Map of Niagara Gorge, n., 955

NICARAGUA: ¶Commerce of Nicaragua, 550*; Entwurf von Höhenschichtlinien der mittleren Vulkan-region Nikaraguas. K. Sapper, 945*; General Descriptive Data prepared in June, 1910, 550* ¶ Map: Entwurf von Höhenschichtlinien der mittleren Vulkanregion Nicaraguas. K. Sapper, n., 716

Nice, Beaulieu, Monaco, etc. (Guides Joanne). Em. Semence, 942*

Nicholas II Land, 929 Nicholls, S., 390* Nickles, J. M., 228* Nicolaus, G., 628* Nieger, Capitaine, 312* Niermeyer, J. F., 151* Nieto, P. E., 464*

IGER: ¶Albrecht Roscher. Erforschung des Nigerstromes. H. Roscher, 864*; Les mines d'or du NIGER: Haut-Sénégal-Niger. J. Meniaud, 869*; Organisation pastorale des Peuhl et Toucouleur du delta central du Niger. J. Meniaud, 869*; Les crues du Niger. J. A. Millot, 389* ¶ Maps: Esquisse de la partie septentrionale du cours du Niger et de la Volta Noire. Hubert, n., 157; Bassin du Niger: Principales aires de drainage et d'inondation, n., 479

NIGERIA: Annual Report on the Lands Department for 1911. C. W. Alexander, 630*; Deutsch-englisches Abkommen über die Führung der Grenze zwischen Kamerun und Nigerien von Yola bis zur Küste und über die Schiffahrt auf dem Crossflusse, 787"; Notes on Kagoro and Nigerian Head-Hunters. A. J. N. Treamearne, 390*; Twenty-Five Years in Qua Iboe. Story of

Missionary Effort in Nigeria. R. L.

Northern Nigeria: ¶Northern Nigeria as I Saw It. J. A. Cooper, 630*; - and Its People. Falconer, 313*; Trypanosomiasis of Domestic Animals in -. J. W. Scott Nigeria-Cont'd.

Macfie, 630* ¶ Map: Bauchi Mines Survey. Naraguta Sheet, n., 158

Southern Nigeria: ¶Annual Reports: Agricultural Dept. for 1911.
W. H. Johnson, 630*; Education Dept. . . for 1911. H. J. Hyde-Johnson, 630*; Forestry Dept. for 1911. H. N. Thompson, 630*; In the Shadow of the Bush. P. A. Tal-bot, rev., 773; Southern Nigeria: Some Considerations of Its Structure, People, and Natural History. A. E. Kitson, 313*, 361; Report on Blackwater Fever in —, 1899-1911. W. M. Graham, n., 547 ¶Map: Southern Nigeria to illustrate Paper by A. E. Kitson, n., 238

NILE: Cairo of To-Day. A Practical Guide to Cairo and the Nile. E. A. Reynolds-Ball, n., 308; Una Crociera sul Nilo. Khartum-Gondokoro. E. A. d'Albertis, n., 780; Le Nil, voie d'accès vers le Tchad et le haut Ubangi. A. J. Wauters, 70*; Relation between Nile Floods and the Rainfall of Santiago. R. C. Mossman, 926; Aux Sources du Nil par le chemin de fer de l'Ouganda.

J. Leclercq, rev., 212

Nisqually River Drainage Basin. F. F. Henshaw and G. L. Parker, 466*

Nitobé, I., 58

Nitrogen, Utilization of the - of the Air. A. A. Noyes, 794* Niver, H. B., and Farrell, E. D., 220

Noatak River, Alaska. P. S. Smith, 760*

Nobiling, H.: see Sprigade, P. Noble, A. G., 866

Noirmoutier, Les modifications littorales de l'île -. E. Clouzot, 314* ¶ Map: Carte comparée de l'île de en 1702 et en 1900, n., 480

Nomenclature, Geographical: see Geographical Nomenclature.

Nordenskiöld, E., 148*, 786*; — Returns to South America, 762 Nordenskjöld, O., 861, 872*; — and De Geer, S., 518 Nordström, Th., 864

Normandy: ¶Les minerais de — et de Bretagne. P. Lemoine, 950*; La Haute Normandie. J. Fossey et J. Longnon, n., 942 ¶ Maps: Le bassin minier de Basse-Normandie, n., 159; Carte des gisements de minerai en fer en Normandie, Anjou et Bretagne, 958*

NORTH CAROLINA: ¶Bibliography of — Geology, Mineralogy and Geography, with List of Maps. F. B. Laney and K. H. Wood, 147*; Coastal Plain of —. W. H. Clark, B. L. Miller and Others, 783*; Fishing Industry. J. H. Pratt, 68*; How to Protect and Perpetuate the Fishing Industries of -, 148*; Report of the Fisheries Convention held Dec. 13, 1911. J. H. Pratt, 147*; Highway Work Containing Statistical Report of Road Work during 1911. J. H. Pratt and H. M. Berry, 147*; Proc. of Annual Convention of the N. C. Good Roads Assoc., Aug. 1-2, 1912. J. H. Pratt, 147*; Public Roads are Public Necessities. J. H. Pratt, 467*; Mineral Produc-tion during 1912, 867*; Popula-tion. Composition and Characteristics. 13th Census of the U. S. 1910, 708*; Proceedings of 5th Annual Drainage Convention held at Rabranage Convention field at Raleigh, Nov. 26-7, 1912. J. H. Pratt, 626*; Statistics of Agriculture, Census 1910, 228*; Timber Trees and Forests of —. G. Pinchot and W. W. Ashe, 68*; University of —. Summer Courses in Geography, 620 Map: Map of North Carolina, n.,

NORTH DAKOTA: ¶ Data of Archæology of the Dakotas. H. I. Smith, 69*; Factors Influencing the Flora of Devils Lake. M. A. Brannon, 944*; Icelandic Settlement of Pembina County. S. Johnson, 68*; History of the Settlement of Swedes M. Bemis, 67*; Indians of 69*; Industrial History of the Valley of the Red River of the North. J. L. Coulter, 67*; Popula-tion. Composition and Characteristics. 13th Census of U.S. 1910, 708*

North-East Passage, Russian Expedition by the - 49

North River, N. Y.: see Hudson R. North Sea: ¶Klima des südostlichen Teiles der Nordsee, unweit der niederländischen Küste. J. P. van der Stok, 153*

Northern Territory, Australia: schliessung des australischen Nord-territoriums. E. Schultze, 72*; Northern Territory of -, 447; -

Report on Operations, 1913, n., 781
Norton, W. H., Hendrixson, W. S., and
Others, 311*; — and Simpson,
H. E., 707*; — and Others, 707*
NORWAY: ¶Geodætiske Arbeiter:

Præcisionsnivellement og Signal-nivellementer, 233*; Jahrbuch des Norwegischen Meteorol. Inst. für 1911, 951*; 'Jordskjaelv i Norge. Norway-Cont'd.

C. F. Kolderup, 714*; Nordfjords kvartæravleiringer. H. Kaldhol, 713*; Physical History of Norwegian Fjords. E. Hull, 233*; Report for 1912 on Trade and Commerce of Norway, 951* ¶Maps: Aschehougs Lommeatlas over Norge. K. Gleditsch, n., 720; Map of Norway published by Norges Geogr. Opmaaling, 443*

NOVA SCOTIA: ¶Brief Account of Micmac Indians of Nova Scotia and Their Remains. H. Piers, 709*; Forest Conditions of —. B. E. Fernow, 784*, 863; Method of Forest Survey and Estimate in —. K. M. Clark, 867*; Report of the Department of Mines, 1912, 550* ¶Map: Geologic Map of Nova Scotia, 236*

Novaya Zemlia, Sketch of Coloniza-tion in — in 1910. B. I. Sadovski, 315*

Novibazar: Der Sandschak Novibazar und seine volkswirschaftlichen Verhältnisse. W. Kellner, 392*; Le sandzak de Novi Pazar. G. Gravier, 392* ¶ Maps: Esquisse hypsométrique du Sandzak de Novi Pazar, 480*; Sanjak of Novibazar, n., 879; Voies de communications dans le Sandzak de Novi Pazar, 480*

Novipazar: see Novibazar.

Novik, Le. Journal posthume du Lieut. A. P. Steer. [Episode in the Russo-Japanese War], n., 227

Nowak, J., 71* Noyes, A. A., 794* Noyes, H., 789*

Nubia: The Temple of Dendûr. (Series: Les Temples immergés de la Nubie). A. M. Blackman, rev., 56

Nuñez de Balboa, Vasco: see Balboa. Nusbaum, L.: see Schmucker, S. C.

Nussbaum, F., 315* Nuttall, Mrs. Z., New Drake Docu-ments Discovered by —, 394*

Nyasaland, Morphology of Trypanosome Causing Disease in Man in —. D. Bruce, D. Harver and Others, 230*

Nyholm, J., 864* Nyström, E. T., 775

Oakenfull, J. C., 55 Ober, F. A., 295 Oberhummer, E., 385 OBITUARY:

Credner, Hermann, 857 Dupuis, Jean, 205 Forel, François Alphonse, 51 Johansen, Captain Hjalmar, 205 Krümmel, Otto, 138 Lemosof, Paul, 372 Le Marinel, Paul, 51 Milne, John, 857 Ogilvie, William, 138 Pechuel-Lösche, Eduard, 930 Plummer, Frederick G., 857 Ravenstein, Ernst Georg, 453 Reid, The Hon, Whitelaw, 138 Reid, The Hon. Whitelaw, 138 Smith, Benjamin Leigh, 290 Vambéry, Arminius, 857 Obruchev, W. A., 958 Obst, E., 869*

OCEANIA: ¶Établissements francais de l'Océanie. Statistiques du Commerce 1910, 391*; Handbuch der Regionalen Geologie. 7. Band. 2. Abteil. Oceania. P. Marshall, n., 67; Magnetic Declinations and Chart Corrections Obtained by the "Carnegie" from Suva, Fiji to Papeete, Tahiti. L. A. Bauer and W. J. Peters, 553*

OCEANOGRAPHY: ¶Die Arbeit des Ozeans und die chemische Tätigkeit des Wassers im allgemeinen. (Aus der Vorzeit der Erde). Frech, rev., 380; Berichte über das Institut und Museum für Meereskunde und das Geographische Institut an der Universität Berlin, 1911. A. Penek, 394*; Bodenwasser und Abkühlung des Meeres. F. Nansen, 394*; Campagne Scientifique de l'Hirondelle II, 1912: Liste des stations, 474*; Distribution of Ocean Temperatures along the West Ocean Temperatures along the West Coast of N. America Deduced from Ekman's Theory of Upwelling of Cold Water from Adjacent Ocean Depths. G. F. McEwen, 944*; In Grembo al Mare. J. la Bolina (A. V. Vecchi), n., 145; Grolls Tiefenkarten der Ozeane. G. Schott, 873*, Helbträgen Ozealheiten der 873*; Halbtägige Oszillation des Luftdruckes über den tropischen Ozeanen. P. Henckell, 235*; Modern Oceanography. H. R. Mill, 74*; Museum und Institut für Meereskunde in Berlin. A. Penck, 473*; Neuere Versuche, die Verdunstung von Wasserflächen zu messen, ins-besondere von Seen. W. Halbfass, 473*; Oceanographical Investiga-tions, 760; Résumé des observations sur le plankton des mers explorées par le Conseil (Conseil Perm. Intern. Explor. de la Mer), 1902-8, 874*;

Oceanography—Cont'd. Science of the Sea. Elementary Handbook of Practical Oceanography for Travelers, etc., n., 307; Scientific Papers. Vol. 1. J. Y. Buchanan, rev., 939; Tiefenkarten der Ozean in flächentreuer Projektion. O. Baschin, 75*; Untersuchungen über Eisverhältnisse im Finnischen Meerbusen und im nördlichen Teile der Ostsee. Beobachtungen während der Winter 1897-1902. H. Karsten, 72*; Waves of the Sea and Other Water Waves.

V. Cornish, rev., 699 eans: ¶Das Meer als Quelle der Völkergrösse. F. Ratzel, n., 67; Oceans: Die wirtschaftsgeographische und handelspolitische Bedeutung

Weltmeere. M. Eckert, 474* Odessa, Report for 1912 on Trade of Consular District of -, 953*

Oecology: See Ecology.

O'Gara, P. J., 445 Ogilvie, A. G., 235*, 469*, 793*, 954*; Personal, 693

Ogilvie, William, Obituary, 138 Ogowé ¶ Dans le Haut-Ogowe. R. P. Corre, 788*

Ohern, D. W., 228*; - and Garrett, R. E., 467*

OHIO: ¶ Deep Wells at Findlay. D. Dale, 944*; Evolution of the Ohio-Erie Boundary. R. C. M'Grane, 626*; Note on Temperature in the Deep Boring at Findlay. J. Johnston, 944*; Population. Composition and Characteristics, 13th Census of the U. S. 1910, 708*; Results of Spirit Leveling in Ohio, 1911. R. B. Marshall, 68*; Underground Waters of S. W. - with Discussion of Chemical Character of Waters by R. B. Dole, M. L. Fuller and F. G. Clapp, 625* Maps: Newcomers-

OHIO Q Ohio RIVER: A. J. Henry, 616; Ohio Floods: Their Cause and the Remedy. R. V. R. Reynolds, 626*; Ohio River Floods of 1913. R. M. Brown, 500; Precipitation and Floods, March 23 to 27, 1913. A. J. Henry, 707*; Relation between the Precipitation over the Watershed of the Ohio R. above and the Stream-Flow at Cincinnati. J. W. Smith, 69*

town Quad., 955*; Sciotoville Quad.,

955*

Oil Palm: il Palm: ¶Recent Evolution of the Exploitation and Industry Connected with the Oil Palm, 875*

OKLAHOMA: ¶Brief Chapters on Mineral Resources, 228*; Mineral Production, 1910-11. D. W. Ohern, 228*; Ponca City Oil and Gas Field. D. W. Ohern and R. E. Garrett, 467*; Prel. Rept. on Lead and Zinc . L. C. Snider, 69*; Prel. Rept. on Mineral Resources. Gould, L. I. Hutchinson and G. Nelson, 228*; Rock Asphalts of - and Their Use in Paving. L. C. Snider, 867*; Oil and Gas Development in North-Central -. R. H. Wood, 69*; Glass Sands of —. F. But-tram, 310*; Oklahoma Geological Survey, Report for 1912, 229*; Population. Composition and Characteristics, 13th Census of the U. S. 1910, 708*; Statistics of Agriculture, Census 1910, 228*; Trees and Shrubs of —. C. W. Shannon, 867* ¶Maps: ¶De Queen Quad., 955*;

Vinita Quad., 955* Olbricht, K., 798, 950* Old Testament, Cuneiform Parallels to the —. Transl. and ed. by R. W. Rogers, rev., 545

Ollone, Vicomte d', 143

Olmstead, A. T., 439 Olympic Mts.: ¶The Story of Three Olympic Peaks. E. S. Meany, 866* Oman, Il Sultanato di —. U. Omar, 390*

Omar, U., 390* Omori, F., 470*, 553*, 712* ONTARIO: ¶Climate of Northern R. F. Stupart, 148*; Conditions in the Clay Belt of New -. B. E. Fernow, 549*; Province of -, 945* ¶Maps: Topographical Map, 28 Sheets, n., 236*; Topographic Map of Niagara Gorge, n., 955

ONTARIO LAKE: ¶ Mohawk Valley and —. E. P. Morton, 779*; Postglacial Earth-Movements about Lake Ontario and the Saint Lawrence River. J. W. Spencer, 783* Oosterbeek, W. F. G., 631*

Oporto: ¶Associação Commercial do Porto, Relatorio da Direcção no Anno de 1911, 154*

Oppel, A., 392*, 795*

Opusculos y Esparsos. Por 2° Visconde de Santarem, Vols. 1 and 2, n., 782

Orán, Provincia de Salta, Informe sobre una Exploración Geológica en la Región de —, 709* Ordioni, J. A., 66, 624

Ordnance Survey Maps, Their Meaning and Use, with Descriptions of Typical Sheets. M. I. Newbigin, n., 385; Colored Edition of the One Inch to a Mile Maps, 443*

Ordonez, E., 793*

OREGON: ¶ Early Relations of the Sandwich Islands to the Old Oregon Territory. G. V. Bennett, 625*; Story of Direct Legislation in —. A. H. Eaton, n., 65; Population. Composition and Characteristics, 13th Census of the U.S. 1910, 708* Report for 1912 on Trade of Consular District of —, 867*; Statistics of Agriculture, Census 1910, 228*

¶ Map: Halsey Quad., n., 476 rient: ¶ Isochronenkarte des Ori-Orient: ¶ Isochronenkarte ents. E. Banse, 75*; Wandern und Reisen im Orient. E. Banse, 393* Prince Louis d', Orléans-Bragance, Prince Louis d',

373
Orpen, G. H., 548
Osborn, H. F., 394*; Personal, 856
Osborne, A. B., 197*
Osstyn, L., 787*
Ossuna, M. de, 628*
Oswald, F., 389*, 396
Ottoman Empire, Lecture on —. V.
Cardashian, 444*
Oned el Dienneinen, Le Tracé de —.

Oued el Djenneinen, Le Tracé de -. 150*

Cornetz, 150* Overlook Mountain, Notes on Structure and Glaciation of -. N. E. Stevens, 311*

Owens Valley, Cal., Intensive Study of Water Resources of Part of -.

C. H. Lee, 147*
Oxyrhynchus Papyri. Part 9. Edited, with Transl. and Notes by A. S. Hunt, rev., 212

Oysters: The World's Most Valuable Water Crop. H. M. Smith, 555*

P

PACIFIC OCEAN: ¶Atlantic and Pacific Types of Coast. E. H. L. Schwarz, 235*; Discoverer of the Pacific Ocean, 757; The New Pacific. H. H. Bancroft, rev., 863; Niveauschnitt durch den westpazifischen Meeresboden in 3,000 m Tiefe. Krebs, 633*; North Pacific Ocean (Surface Water Supply of the U. S. 1910). F. F. Henshaw, E. C. La Rue and G. C. Stevens, 707*; Oberflächentemperaturen im südlichen Atlantischen und im südostlichen Stillen Ozean zur Zeit der Polar-forschung 1901. T. Eylert, 234*; Ocean Temperatures Along the West Coast of North America. G. F. McEwen, 452; Study of Salinity of the Surface Water in the North — and in the Adjacent Enclosed Seas. A. H. Clark, 234*; Submarine Bank South of Tasmania. T. W. E. David, 764;

Troughs of the Western -. Krebs, 510; Tiefseelotungen S. M. Vermessungsschiffe im Atlantischen und Stillen Ozean, 235*; Wasserund Lufttemperaturen sowie rela-tive Feuchtigkeit auf dem Atlantischen und dem südlichen Stillen Ozean. H. Meyer, 634*; Wind-beobachtungen in den höheren Luftschichten des Atlantischen und südlichen Stillen Ozeans, Sudnenen Stillen Ozeans, nach Pilotballonaufstiegen von Dr. H. Meyer, 1909 bis 1911. P. Perlewitz, 235* ¶ Maps: Charts U. S. Coast and Geodetic Survey, 76; Map to Illustrate Paper . . . on Balboa's Discovery of the Pacific Ocean, n., 797; Sketch Map Showing Soundings So of Teempris and S. W. of ings S. of Tasmania and S. W. of New Zealand, n., 799

Less-Known Islands in the Pacific.

E. im Thurn, 553*

Paczoski, J., 154* Padgett, H. D.: see Freeman, W. B. Page, J. W., 145*, 394*

Paige, S., 393*

Paillon, M., 146

Paine, R. D., 208 Pakhoi, Report for 1912 on the Trade

of —, 711* Paladini, O., 312* Palazzo, L., 312*, 713* Paleolithic Human Skull and Mandible, On the Discovery of a - in a Flint Bearing Gravel Overlying the Wealden at Piltdown, Fletching, Sussex. S. Dawson, 793*

Paleogeography: See Under Geography.

Paleozoology: See under Zoology. PALESTINE: Max Blanckenhorns Totes Meer-Werk, 948*; Patriarchal Palestine. Rev. A. H. Sayee, rev., 461; Report for 1912 on Trade of the Consular District of Jerusalem, 948*; A Tramp's Sketches. S. Graham, rev., 537

Palmén, E. G., 872*
Palmer, T. G., 387*
Palmer, T. S., 68*, 783*
Pamir: ¶ Bericht über den bisherigen Verlauf meiner Pamirexpedition 1911-12. A. v. Schultz, 552* Map: Karte des Pamir von A. v. Schultz, n., 78

PANAMA: ¶Commerce of Panama for 1911, 550*; General Descriptive Data, 550*; Panama, Past and Present. F. Bishop, rev., 623; Panama and the Canal. A. B. Hall and C. L. Chester, 941*; Spanish Transl. of same. R. D. de la

Pana Co Ca Ac Re 70 PAN

of Sa F Ci P 78 E

24 M It V P a C

PA R f 1 2 O I

E

Pa Pa Pa

Pa P

Panama-Cont'd.

Cortina, 941*; Panama and the Canal of To-Day. An historical Account, etc. F. Lindsay, n., 456; República de Panama. I. Hazera,

PANAMA CANAL: ¶ Hydrology of the Panama Canal. C. N. Saville, 850; On the — and the Formation of Gravitation Waves in Culebra Cut. V. Cornish, 550*; Panama Canal. R. E. Bakenhus, 785*; -: Its Construction and Its Effect on Commerce. J. W. Herbert, 241; —: What It Is, what It Means. J. Barrett, 294; — and Its Relation to the British Empire. V. Cornish, 148*; Panama-Canalen i 1912. C. P. O. Moltke, 704*; Panama and the Canal. A. B. Hall and C. L. Chester, 941*; Spanish Transl. of same. R. D. de la Cortina, 941*; Traffic and Tolls.

E. R. Johnson, rev., 455

PANAMA CANAL ZONE: ¶Ann.
Rept. of the Isthmian Canal Comm. for Year ending June 30, 1911, 148*; for Year ending June, 30, 1912, 70*; Census of the Canal Zone, Feb. 1, 1912, 70*; Climatology of —. C. M. Saville, 850; Report on Health Conditions at neport on Health Conditions at —.
H. B. Allen, 785*; Sanitation of the —. D. Thomson, 785*; Timber Lands. F. Lindsay, 785*; Zone Policeman 88. Study of Panama Canal and its Workers. H. A. Franck, rev., 858

Pangasinan, Geologic Reconnaissance of Northwestern -. P. R. Fanning,

Pantanelli, D., 713*

Papago Rancherias, Present and Past. (Map.) C. Lumholtz and A. Briesemeister, n., 76
Paper: ¶ The World's Paper. J. J.

Macfarlane, 474*
Pappalardo, V., 226
PAPUA: ¶ Mafulu Mountain People APOA: Waruth Mountain Feoble of British New Guinea. R. W. Williamson, rev., 937; Papua. Report for Year ended June 30, 1911, 553*; Pygmies and Papuans. The Stone Age of To-Day in Dutch New Guinea. A. F. R. Wollaston, rev., 376

Paque, E., 547*

Paquet, E., 5710*, 711*
Paquet, G., 710*, 711*
PARAGUAY: ¶Commerce of Paraguay for 1910, 628*; Einige Bemerkungen über die Gebirge im Tiefland des Paraguay. K. Carnier, 628*; Historia del Paraguay escrita en francés por el P. Pedro F. X. de Charlevoix de la Compañia de Jesús con las anotaciones y correcciones latinas del P. Muriel. Tomo 2., n., 65; Report for 1911 on the Trade of, 469*; Skizzen vom paraguayischen Chako und von der englischen Mission unter den Lengua-India-nern. K. Carnier, 628*

Parahyba: ¶Geographia, geologia, Supprimento d'Agua . . . Ceará, Rio Grande do Norte, Parahyba. R. Crandall, n., 623 ¶ Map: Mappa geologico reduzido dos Estados do Ceará, Parahyba e R. Gr. do Norte. R. Crandall and H. E. Williams, n., 238

The World's Great Paraná. W. S. Tower, Paraná: Great Rivers: 388*; Memoria sobre el Río Paraná.

J. Repossini, n., 704 Pardee, J. T.: see Schultz, A. R.

PARIS: ¶Internationale Zeitkonferenz zu - vom 15. bis 23. Okt., 1912. E. Kohlschütter, 315*; Old Paris. Social, Historical and Liter-ary Associations. H. C. Shelley, n., 66; Paris and Environs with Routes from London to —. Handbook for Travellers. K. Baedeker, n., 705; Séismicité dans le bassin de —. C. Rabot, 632*; Tremblements de terre du bassin de -, leurs relations avec les accidents tectoniques. P. Lemoine, 73* ¶ Map: Carte de la terre au 1.000,000: (Europe) Nord M 31: Paris, n., 160

Parker, C. S., 786* Parker, E.: see Wheeler, A. O.

Parker, E. W., 311* Parker, G. L.: see Henshaw, F. F.

Parker, H. C., 867*

Parker, O. H., 706
Parkin, G. R., 394*
Parmentier, G. and Zimmermann, M.,

Partsch, J., 72*, 626*, 708* Paschinger, V., 960

Passaic County, N. J., Preliminary List of Birds of Northern -. D. S. Kohler, 866* Passarge, S., 874*

Pasture Migrations: Transhumance: Étude de géographie humaine. E. Fritsché, 875*

PATAGONIA: ¶Chubut. Im Sattel durch Kordillere und Pampa Mittel-Patagonien. W. Vallentin, rev., 55; Hunting for Extinct Animals in -n Pampas. F. B. Loomis, n., 771; Neuere Arbeiten der chilenischen Marine der Küstenregion. H. Steffen, 868*; A Visit to —. R. Smith, Patagonia—Cont'd.
148*; Recent Surveys in N. —. Willis, 312*, 357 **q Map**: Sketch Map to ilustrate paper on "Recent Surveys in N.—'" by B. Willis, n.,

77

Patkanov, S., 552*
Patos Lake, Map: ¶Carta das Lagôas dos Patos e Mirim mostrando a liñha de navegação entre os portos interiores e a Barra do Rio Grande do Sul. N. Pujol, n., 237 Paulsen, J., 799 Paulsen, O., 66

Pawlowski, A., 73* Paz, C. R., 230* Peacock, N.: see Kennard, H. P.

Pearson, G. A., 68*

Peary, Adm. R. E.: Q Latest Word on Peary's Determination of the North Pole, 618; Personal, 524, 693

Pechuel-Lösche, Eduard, Obituary, 930

Peck, F. B., 68* Peet, T. E., 309

Pegolotti, F. B., 232* Peignot, A. M., 788* Peking, New Express Service between

Tokio and -, 927 Pelew Islands: Die letzten Taifunverheerungen auf den Palau-Inseln,

Pelliot, P., 151*, 390*, 631* Penck, A., 394*, 395*, 473*, 474*.

870*; — on the Sites of German Cities, 154*; Personal, 693
Peneplains: ¶Newfoundland Once a Peneplain. W. H. Twenhofel, 520; "Peneplains" e "Sempiani d'Erocica" C. Richicoi 474*, Purposition (1988). sione." G. Ricchieri, 474*; Rumpfflächen und Pseudorumpfflächen. A. Hettner, 634

PENNSYLVANIA: ¶ Geologic Structure of the Punxsutawney, Curwensville, Houtzdale, Barnesboro and Patton Quadrangles. G. H. Ashley and M. R. Campbell, 466*; Population. Composition and Characteristics, Census 1910, 468*; Prel. Rept. on Tale and Serpentine of Northampton Co. and the Portland Cement Materials of Lehigh District. F. B. Peck, 68*; Results of Spirit Leveling in — 1899 to 1911. R. B. Marshall, 68*; Statistics of Agriculture, Census 1910, 228*; University of -Summer Courses in Geography, 527 Maps: Gettysburg Battlefield and Vicinity, n., 956; Hilliards Quad., n., 477; Stoneboro Quad., 956*;

Williamsport Quad., n., 316
Penobscot River Basin. C. C. Babb,
C. C. Covert and R. H. Bolster, 310*

Penology: ¶Meine Reise nach den Strafkolonien. R. Heindl, rev., 538 Perak: Geology and Mining Industry of the Kinta District. J. B.

Scrivenor, n., 864 Periplus of Hanno. Voyage of Discovery, etc., transl. by W. H. Schoff,

Périquet, —, 787*
Perisho, E. C. and Visher, S. S., 387*
Perkins, E. T., 549*
Perkins, G. H., 708*
Perlewitz, P., 235*
Pernambuec.

Diccionario choro-Pernambuco: graphico, historico e estadistico. de S. de Vasconcellos Galvão, rev., 459; Report for 1912 on Trade of Consular District of —, 946*
Perret, F. A., 391*; 712*
Perrot, G., 787*
Perrot, K., 710*, 951*

Perry, Commodore, Lake Erie and the Story of —. E. P. Morton, n., 779 PERSIA: ¶Empire de Perse. Ad-

ministration des postes, 1911-12, 790*; Klimatafeln aus Persien. Houtum-Schindler, 314*; New Account of East India and Persia, berount of East India and Fersia, being Nine Years' Travels, 1672-1681. J. Fryer, n., 308; Notes d'Ethnographie Persane. A. van Gennep, 790*; Report for 1911-12 on the Trade of —, 390*; Through Persia. F. B. Bradley-Birt, n., 864

ERU: ¶Agriculture and Irrigation in the Valley of Ica, 149*; PERU: Commerce of Peru, 710*; Estadística minera del Perú en 1911. C. P. Jimenez, 709*; Investigation of Prehistoric Human Remains Found near Cuzeo in 1911. H. Bingham, 786*; Iquitos and the Tributary Rubber District of the Region. Amazon, 388*; Northwestern Railway and Huacho, 149*; Physiography of the Peruvian Andes with Notes on Early Mining in —. V. F. Marsters, 388*; Report for 1911 and 1912 on Trade, Finance, etc., and 1912 on Trade, Finance, etc., 868*; Statistics of Sugar Industry for 1911. C. R. Paz, 230*; Vertebrate Remains in Cuzco Gravels. G. F. Eaton, 786*; Vitcos, the Last Inca Capital. H. Bingham, rev., 533; War of Quito. P. de Cieza de Leon and Inca Decuments. Leon and Inca Documents. Transl. and ed. by C. R. Markham, n., 780; In the Wonderland of Peru. Bingham, 709* Map: Raimondi's Map and Manuscript Compilation

by the same Cartographer, 285* Perugia, Provincia di —. M. Pierfelici-Locci, n., 66

Peszler, W., 234* Peters, C., 224 Peters, G., 875* Peters, J. G., 68* Peters, W. J.: see Bauer, L. A. Petrie, W. M. Flinders, 66 Petrified Forest of Arizona, Map of -, 46 Petroff, --, 632* Petrography: ¶Sedimentpetrographie im Dienste der Paläogeographie.

K. Andrée, 954* Petroleum, Natural History of -. A.

Wade, 474* Petrov, M., 872* Pettersson, O., 949* Peucker, K., 320, 560 Pfeil, J. v., 396 Pfitzer, A., 472* Philadelphia.

Philadelphia: ¶Manufacturing in —, 1683-1912. J. J. Macfarlane, 225*, 228*; Report for 1912 on the Trade and Commerce of the Consular District of -, 784*

Philadelphia Museums, Annual Report of the — for 1912, 784*

PHILIPPINE ISLANDS: ¶Catholic Church in —. P. M. Finegan, 470*; îles Philippines. A. Martin, 152*; The Philippines and the Filipines. pinos. A. S. Riggs, 444*; A Talk on —. E. L. Lundgren, 231*; 12th Annual Report on Education, July 1, 1911, to June 30, 1912, 470* ¶ Industries and Commerce: Citrus-Fruits: Their Commercial Possibilities and Chemical Study of Few of the Most Important Varieties. H. D. Gibbs and F. Agcaoili, 552*; ¶Faserbau in Holländisch-Indien und auf den Philippinen. W. F. Bruck, 552*; Some Filipino H. D. Gibbs and F. Ag-Foods. caoili, 552*; Forests of —. M. L. Merritt, 231*; Philippine Bureau of Forestry—Its Organization and W. D. Sterrett, 232*; Ma-Work. terial Development. G. La O, 470*; Mineral Resources, 1911, 232*; Ore Deposits. F. T. Eddingfield, 871*; Non-Christians of Southern Islands of -: Their Self-Government and Industrial Development. J. P. Finley, 470*; Race Development by Industrial Means among the Moros and Pagans of Southern -. Finley, 390*; Report for 1912 on Trade and Commerce of the Philippine Islands, 791* ¶ Meteorology: Ann. Rept., Weather Bureau for Ann. Rept., Weather Bureau for 1909, 152*; Extraordinary Drought, Oct. 1911 to May 1912. J. Coronas, 152* Political: American Oc-

cupation of --, 1898-1912. J. H. Blount, rev., 375; Independent Government for —. Jones, 71*; Neuernment for —. Jones, 71*; Neutralization of —. Garrett, 71*

¶Sanitation: Sanitary Conquest of the —. L. M. Maus, 470*; Sanitation in the Philippines. V. G. Heiser, 71*

¶Maps: Lamon Bay and Polillo Is.; Verde Island Passage (Charts U. S. Coast and Geod. Surv.), 76*

Philippot, M., 393*

Philippson, A., 318, 632*, 958
Philipsburg Quadr., Mont., Geology
and Ore Deposits of the —. W. H.
Emmons and F. C. Calkins, 866*

Phillips, D. M.: see Udden, J. A.
Phillips, F. J., 68*; — and Mulford,
W., 68*
Phillips, W. B., 467*
Phillips, W. B., 467*
Philosophical Soc. of Great Britain
or the Victoria Inst., Journ. of the Transactions of —, 1912, 233*
hotogrammeter: ¶Das —,

Photogrammeter: Anleitung zum Gebrauche desselben Dr. Hugershoff, n., 385

Photography, Scientific: ¶ Das Photographieren auf anthropologischen Forschungsreisen. R. Pöch, 474*

Phylloxera: ¶Bericht über die Verbreitung der Reblaus in österreich in den Jahren 1907, '8, und '9, n.,

Physical Geography: see under Geog-

PHYSIOGRAPHY: ¶Development of - in American Textbooks. B. A. Milliner, 475*; Intelligible Physiographic Presentation. W. M. Davis, 360; Complicated Physiographic Presentation. W. M. Davis, 361; La Théorie du Bloc-Diagramme. P. Castelnau, 393*; Training College Students in Field Work, 206

Phytogeography: see under Geog-

raphy.
Pibor River, Sketch Map of the —, n.,

Pic Saint-Loup (Hérault), Étude sur les terrains jurassiques de la région du — F. Roman and M. Genne-vaux, 632* Picard, Lieut.-Col., 464 Picardy: ¶En Picardie. La vallée

de la Somme et ses tourbières. Dubois, 392*

Pickett, R. D. and Schrader, F. C.,

Piedmont: ¶La pioggia in Piemonte e nelle Alpi Occidentali. G. Anfossi, Pierce, C. H.: see Martin, W. F.

Pierfelici-Locci, M., 66 Piers, H., 709*

Pigafetta, Antonio —'s 23 Karten-tafeln in 1/2 der Originalgrösse. Photographie der Originale in der Bib. Ambrosiana, n., 239

Piggott, H. and Finch, R. J., 218 Pilbara Goldfield, Geological Features and Mineral Resources of the -.

A. G. Maitland, 712*

Piltdown Skull: Ancestor Hunting. Significance of the —. G. G. Mac-Curdy, 875*; On the Discovery of a Palæolithic Human Skull and Mandible in a Flint-Bearing Gravel Overlying the Wealden at Piltdown. C. Dawson, 793*

Pinchot, G., 155*; — and Ashe, W. W., 68*

Pines, Isle of: see Isle of Pines.

Pittman, E. F., 72*

Pittsburg, Prevention of Floods at -. G. B. Roorbach, 228*

Pjeturss, H., 73*

Names: Place see Geographical Nomenclature.

Placer-Deposits, The Law of Pay-Streak in —. J. B. Tyrrell, n., 706 Planert, W., 954*

Planimetry: ¶Zur Geschichte der geographischen Flächenmessung seit Einführung des Planimeters. Willers, 393*; Plane Surveying. P. C. Nugent, rev., 701; Plane-Table Methods as Adapted to Geologic Mapping. C. H. Wegemann, 873*

Plankton: ¶Résumé des observations sur le -- des mers explorées par le Conseil (Conseil Perm. Intern. pour l'Explor. de la Mer), pendant les

années 1902-8, 874*

PLANTS AND PLANT ECO-LOGY: ¶Über Beziehungen Pflanzenphänologie und zwischen Landwirtschaft. E. Ihne, 555*; Edaphische Wirkungen des Kalkes auf die Vegetation tropischer Karren und Karrenfelder. C. C. Hosseus, 235*; Einteilung der Pflanzengesellschaften nach ökologisch-physiognomischen Gesichtspunkten. H. Brockmann-Jerosch and E. Rübel, n., 309; Introduction to Plant Geography. M. E. Hardy, 943*; Plant Ecology of Ben Armine. C. B. Crampton, 793*

Platania, G.: see Marinelli, O. Plateaus, Fault Block -. W. M. Davis, 364

Plehn, G., 623

Plombières-Remirement, Tremblement de terre de - (1682). Contribution à l'histoire des phénomènes sismiques en France. A. Uhry, 950* Plumbe, G. E., 225

Plummer, Frederick G., 387*; Obitu-

ary, 857

o: ¶Fossa angusta o fossa Augusta (Questione pliniana sul curso Po: di Po). D. Pantanelli, 713* Pöch, R., 233*, 394*, 474* Poincaré, H., 393*

Poitou, Hydrologie souterraine du calcaire. J. Welsch, 153*

Poland: ¶Les polonais du Royaumes de Pologne d'après les données anthropologiques recueillis jusqu'à

thropologiques recueins jusqu'a présent. J. Talko-Hryncewicz, 392*
POLAR REGIONS: ¶Deutschlands Anteil an der Lösung der polaren Probleme: Ein Beitrag zur Geschichte der Polarforschung. H. Rüdiger, 472*; Le monde polaire. O. Nordenskjöld. Traduit par G. Parmentier et M. Zimmermann, rev., 861

POLES, EARTH: ¶Orientierung in der Nähe der Erdpole. Kritische Beantwortung der Frage: Ist es überhaupt möglich zu entscheiden ob ein Polarforscher sich am Pole befand? C. Schoy, 554*; From Pole to Pole. S. Hedin, n., 146

North Pole: ¶Latest Word on Peary's Determination of the North Pole, 618; The North Pole and Bradley Land. E. S. Balch,

rev., 697

South Pole: ¶Au Pôle Sud. R. Amundsen, transl. by C. Rabot, 472*; Au Pôle Sud. (Lecture), R. Amundsen, 472*; Meine Reise zum Südpol. R. Amundsen, 74*; The South Pole: Account of the Norwegian Antarctic Expedition in the "Fram," 1910-12. R. Amundsen. Transl. by A. G. Chater, rev., 540 ¶ Map: Itinéraire du Capitaine ¶ Map: Scott au Pôle Sud, 639* Polities: ¶Zur Weltpolitik. C. Peters,

n., 224 Pollacchi, P., 873*

Pollak, G., 217

Polmont Kame, and on Classification of Scottish Kames. J. W. Gregory, 954*

Poltava: ¶ Basic Features of Tectonics of —, Kharkov, etc. Governments. P. N. Chirvinskiï, 952*

Polynesia: ¶Easter Island. Rapanui Speech and the Peopling of Southeast Polynesia. W. Churchill, rev., 462

Beziehungen zwischen Pomerania: Bodenbeschaffenheit und Volksdichte der baltischen Seenplatte zwischen Oder und Weichsel. Wahnschaffe, 950*; Report E. Report 1912 on Trade and Commerce of the Consular District of Stettin (comprising Pomerania), 950* Ponca City Oil and Gas Field. D. W.

Ohern and R. E. Garrett, 467* Ponce de Leon, The Track of - in 1513. L. D. Seiseo, 721

Pontus, R., 151* Ponty, W., 230*

POPULATION: ¶Gesetz der Bevölkerungskonzentration. F. Auerbach, 474*; Malthus and some Recent Census Returns. G. G. Chis-

holm, 394* POPULATION, DENSITY OF: ¶Kartographische Darstellung der Volksdichte. K. Closterhalfen, 75* Maps: Map to illustrate "Kartographische Darstellung der Volksdichte. K. Closterhalfen, n., 79; Volksdichtekarte Versuch einer (Bevölkerungsverteilung in Europa). L. Weise, n., 398 Porro, C., 872*

Porter, E. A.: see Henshaw, F. F., and La Rue, E. C.

Porter, J. F., 549*
Porter, R. W., 556
Porter, V. M., 147*
Portland, Report for 1912 on Trade

and Commerce of the Consular District of - (comprising Oregon, Washington, Idaho, Montana, and Alaska), 867*

Porto Rico, Maps: Map of Porto Rico, n., 317; National Geogr. Mag. Map of —, Cuba, etc., n., 956

Ports: ¶Les types de ports. Essai de classification. I. Assada, 794*; Typen der Verkehrslagen am Meer.

F. Falkenstein, 795*

PORTUGAL: ¶Report for 1912 on
Trade and Finances of —, 951*; Reports for 1912 on Trade of Various Consular Districts, 951*; Spain and -. Handbook for Travellers. K. Baedeker, 705* ¶ Map: The 1:100,000 Map of —, 443*

Portuguese West Africa: see under Africa; - East Africa: see under

Africa. Posey, C. J., Personal, 619, 620 Post, C. J., 780

Potomac River Basin. C. C. Babb, C. C. Covert, and R. H. Bolster, 310*

Potter, A. J., 393* Povienetz: ¶De Povênets à Arkhangelsk. J. Legras, 952* QMap:

Carte du district de Povênets, n.,

Powell, E. A., 213 Praesent, H., 315* Pratt, D. S. and Rosario, J. I. del, 871*

Pratt, J. H., 68*, 147*, 467*, 626*; —
and Berry, H. M., 147*
Prerovsky, R., 792*
Presidential Range, Following the
Trail of Ice Sheet and Valley
Glacier on the —. J. W. Goldthwait, 866*

Preston, H. W.: see Collins, J. F.
Pribilof Rookeries: ¶Fur Seal Mortality of the — in the Absence of
Pelagic Sealing. M. C. Marsh, 311*;
The Seals of the Priviled Live The Seals of the Pribilof Islands, 311*

Priego, J. M., 554* Priestley, H. I., 783*

Prince Charles Foreland. W. S. Bruce,

Prince's Island: ¶ Madréporaires des îles San Thomé et du Prince. Ch.

Gravier, n., 864
Prindle, L. M., Katz, F. J. and Smith,
P. S., 944*

Prinsen Geerligs, H. C., 381

Prinz, G., 711* Prospector's and Miner's Manual.

O. H. Parker, n., 706 Prouty, W. F., Personal, 527

PRUSSIA: ¶Jahrbuch der Kgl.

Preuss. Geol. Landesanstalt zu Ber-

lin, 1908, 73*; 1909, 950*; Principles of Prussian Administration. H. G. James, 466*; Statistik der Märkischen stehenden Gewässer. Vier Seen und die Beziehung zwischen Wassertemperatur und Tiergeographie in ihnen. M. Samter, n., 865; Die veränderlichen Tafeln des astronomischen und chronologischen Teils des preussichen Nor-malkalenders für 1913, 73* ¶ Maps: Übersicht der seit dem Jahre 1877 von K. Preussischen Landesaufnahme im Massstabe 1:25,000 der natürlichen Länge veröffentlichen Messtischblätter. Okt. 1912, four Sheets, n., 397

Prutzman, P. W., 547 Przevalski, N. M., Travels of — in Eastern and Central Asia. After his original works by M. A. Lalinoï,

Ptarmigan Lake, The - Expedition.

J. F. Porter, 549*
Ptolemy Maps: ¶ Handschriftliche Überlieferung der Ptolemäuskarten. J. Fischer, 75*; New — in the Map Room of the Amer. Geogr. Soc., 365 Pudor, H., 952*

Puget Sound Basin, Climate of —. E. J. Saunders, 367

Pujol, N., 237 Putnam, G. R., 235*, 388*

Puyallup R. Drainage Basin. F. F. Henshaw and G. L. Parker, 466*

PYRENEES: ¶ Étude des rivières pyrenéennes au point de vue de l'écoulement et de la dénudation, 792*; Les forêts pyrénéennes. A. Campagne, n., 465; Irrigation au sud des Pyrénées. Baron de Contenson, 554*; Rapport sur la seconde mission pour l'exploration des mission pour Pyrénées souterraines, 1909. E. A. Martel, 391*

Pyrénées, Basses: See Basses-Pyrénées.

Pyrénées-Orientales: Vernet-les-Bains, Perpignan, Le Canigou, La Cer-(Guides Joanne).

Semence, 942*
Pytheas: ¶Pyteas de Marsella. A. Blázquez, 875*

QUEBEC: ¶Les arbres de commerce. J. C. Langelier, 945*; Les cantons du Québec: Nomenclature. F. X. Fafard, 945*; First Report of the Commission for Management of Running Waters in —, 945*; La forêt. B. E. Fernow, 945*; Report on Lands and Forests for Year ending June 30, 1912, 945*; Report on Mining Operations during 1912, 945*; Geology and Economic Resources . . . Portions of Pontiac County. M. E. Wilson, 626*; Re-connaissance along the National Transcontinental R.R. in Southern Quebec. J. A. Dresser, 626* ¶ Maps: ¶ Map of Saint Augustine R. showing Explorations of H. G. Bryant's Expedition, 1912. R. W. Porter, n., 556; Sketch Map of Saint Augustine R. Showing Explorations of H. G. Bryant's Expedition, 1912. R. W. Porter, n., 557; Topographic Map, 28 Sheets, n., 236

QUEENSLAND: ¶ A-B-C-Queensland Statistics, 1912. Compiled by T. Weedon, 72*; Anthropological Notes of Fifty Years ago. R. C. Mackie, 72*; Brisbane, 949*; Cantava de la haute Flinder. Capture de la haute Flinders. J. V. Danes, 72*; Cook Harbour, 72*; Employment of White Labour in Sugar Plantations. J. W. Gregory, 391*; Queensland's Plant Associa-tion. K. Domin, 72*; Physiography

of some Limestone Areas in J. V. Daneš, 72*; Railways. T. B. Robinson, 391*; Report of Commissioner for Railways, Year ended June, 1912, 791*; Statistics, 1911, 391* ¶Maps: Carte des bassins des virièmes Report of Proceedings 1550. rivières Barron et Russell, n., 159; Croquis de la vallée supérieure de la Flinders. J. V. Daneš, 319*; Queensland Showing Main Roads, Railway Lines, Telegraph Lines, etc., n., 159
Quensel, P. D., 551*

Quervain, Traversée du Grönland par le Dr. —. C. Rabot, 954* Quesnel, G., 464*

Quevedo: see Lafone Quevedo, S. A. Quirigua, Excavations at —. S. G. Morley, 550*

Quito, The War of -. By P. de Cieza de Leon and Inca Documents. Transl. and ed. by C. R. Markham,

Rabat: ¶Rabat, L. Botte, 630*; Port de Rabat-Salé et le Bou-Regreg. De

Carsalade, 313*
Rabenort, W., 221
Rabot, C., 74*, 472*, 632*, 792*, 954*
RACES: ¶Future of the Race:
Study in Present-Day Aspects of Social Bionomics. J. Glaister, 394*; Rassen und Völker. L. Wilser, n., 706; Das Rassenproblem unter besonderer Berücksichtigung der theoretischen Grundlagen der jüdischen

Rassenfrage. I. Zollschan, rev., 381
Radford, H. V.: ¶Radford in Northern Canada, 134; The Fate of—
and T. G. Street, 924

Radium and the Evolution of Earth's Crust. A. Holmes, 874*

Radnorshire. (Cambridge County Geographies.) L. Davies, n., 625 Ragland Oil Field, Ky., Menifee Gas Field and the —. M. J. Munn,

387

RAILROADS: @Facts and North America: Figures about Mexico and Its Great Railway System, 388*; History of Railroads in Washington. S. H. Lewis, 68*; Railroad Routes in Alaska, 431; Railway Development in Canada. J. Mallett, 229*; Railway Library Statistics. S. Thompson, n., 145 ¶Map: Railway Map of the Dominion of Canada, n., 796 South America: ¶Geographical Aspects of New Madeira-Mamoré Railroad. I. Bowman, 275; Madeira-Mamoré Railway Co. A. Hale,

311*; Northwestern Railway and

Railroads-Cont'd.

Huacho, 149*; Railways of S. America. W. A. Reid, 946*; Treatise on South American Railways and the Great International Lines, 388*

Africa: ¶Afrikanische Ost-West-Theriandbahn. R. Henning, 70°; Einsenbahnbau in den Kolonien. Schlüpmann, 951°; Allemagne, Angleterre et la Belgique au Tan-ganika. A. J. Wauters, 946°; Avancement de la construction du chemin de fer du Katanga, 552*; Chemin de fer de la Côte d'Ivoire, 787*; — de l'océan à Brazzaville. J. Mornet, 150*; — de Tananarive à Tanatave, 789*; — du Tanganika et les chemins de fer coloniaux allemands, 230*; — transafricains. A. Berthelot, 70*; De Duponchel à M. Berthelot: Historique du Trans-saharien. L. Boyer, 70*; Deutsche Kolonial-Eisenbahn-Bau- und Betriebs-Gesellschaft zu Berlin. Ostafrikanische Nordbahn; Togobahnen Landungsbrücke in Lome: Kamerunbahnen, 629*; Eisenbahnfrage in Deutsch-Ostafrika und F. Kolbe, 230*; Fer-Kamerun. rovie dell'Africa Orientale. A. C. Cavicchioni, 551*; Mission d'études des chemins de fer transafricains. R. Chudeau, 150*; Ostafrikanische Nordbahn. F. Kolbe, 629*; Otavi-bahn in Deutsch-Südwestafrika. H. M. Hirsch, 870*; Progress of the Katanga R.R., 926; Railroads in 690; Studying Saharan Railroad Routes, 199: Uganda-Eisenbahn im Jahre 1912, 869*; Urundi-Ruandabahn. M. Moisel, 869* ¶ Maps: Carte des chemins de fer du Soudan Egyptien et de l'Afrique Orientale, n., 317; Itinéraires de la mission d'étude du Transafricain, 637*; Projet d'un chemin de fer de Brazzaville à l'océan, n., 317

Asia: Chemin de fer du Yunnan: A. Legendre, 631*; Chemin de fer du Yun-nan, etc. A. F. Legendre, 870*; Eisenbahn- und Wasserstrassenpläne in Sibirien. H. Rottmann, 791*; Railway Extension in Japan, 790*; Short cut from Shanghai to Peking, 201; Täler des Taurus und die Linie der Bagdadbahn. F. Frech, 871* ¶ Map: Anschlussbahn von Alexandrette an die Bagdad-

bahn, 78*

Australia: ¶ Queensland's Railways. T. B. Robinson, 391*; Report

of the Commissioner for Railways (Queensland) for Year ending June, 1912, 791*

Europe: Berner Alpenbahn. Europe: ¶Berner Alpenbahn.
H. Behrmann, 865*; Chemins de fer
Kassa-Oderberg et la Haute-Tâtra,
66*; Einige Beiträge zur Eisenbahngeographie Bayerns. K. Kimmel, 793*; Great Western Railway.
G. Home, n., 865; Inauguration
de la Ligne du Loetschberg.—De
Paris à Milan en 12 haures 703*. de la Ligne du Loetschoff.—De Paris à Milan en 12 heures, 792*; Statens Järnvägar år 1911 af Kungl. Järnvägsstyrelsen [Stat. of Swedish RRs.], 472* Map: Eisen-bahnen und Befestigungen Serviens. G. Kuchinka, n., 398; Karte der Eisenbahnfernen Bayerns, Personen-ruchbänfeskeitkarta für. Bayern zughäufigskeitkarte für Bayern, Winter 1910-11. K. Kimmel, n., 718-719

ain: ¶Earthquakes and Rainfall. R. W. Sayles, 874*; Work of Rain and Rivers. T. G. Bonney, rev., Rain:

Rainier, Mount: See Mount Rainier.

Ramsay, W., 952* Ramsey, H. J.: see Smith, R. E.

Ransome, F. L.: see Reid, H. F.
Rappahannock River Basin. C. C.
Babb, C. C. Covert and R. H. Bolster, 310*

Rappoport, A. S., 781

Rasmussen, Knud, Exploration de — sur la côte nord du Grönland. C. Rabot, 954*; — Returns to Copen-

hagen, 618 Rathgen, M., 394*

Ratzel, F., 67 Ravenna. E. Hutton, n., 782

Ravenstein, Ernst Georg, Obituary, 453

Ravn, J. P. J.: see Bonnesen, E. P.

Recknagel, A. B., 782 Record, Geographical: see Geographical Record.

Record, S. J., 53

Red River of the North, Industrial History of the Valley of —. J. L. Coulter, 67*

Redway, J. W., Personal, 620

Reed, —, Personal, 619 Reed, C. A., 307

Reed, W.: ¶Walter Reed and Yellow Fever. H. A. Kelly, n., 306 Reed, W. G., 626*, 761 Reelfoot Lake: ¶Map of — and Its

Submerged Drainage Channels, n.,

Reeves, E. A., 475*, 554* Régismanset, C., 61 Reiche, O., 863

Reid, H. F., 708*, 790*; —, Davis, W. M. and Others, 874*; Personal, 530

Reid, J. C., 74*

Reid, R. L., 870*; see also Barton, E. W. E.

Reid, The Hon. Whitelaw, Obituary, 138

Reid, W. A., 946* Reinicke, G., 391*

Reinlein, H., 860 Religions, Great -- of the World. H. A. Giles, T. W. Rhys Davids, and

Others, n., 307 Rémond, M. G., Sketch Map Showing Route followed by - in Tripoli and Cyrenaica, n., 77 Renqvist, H.: see Blomqvist, E.

Repossini, J., 704 Resetar, M., 303

Retrospection: Political and Personal. H. H. Bancroft, rev., 224

Reuning, E., 629*

¶Statistiques du Com-Réunion: merce, 1910, 469*

Reusch, H., 67

Reuss: ¶La Reuss. Histoire d'un Fleuve. G. Eisenmenger, 392* Reuter, C., 232* Revelli, P., 634*

REVIEWS AND NOTICES, 53, 139, 207, 291, 373, 454, 531, 621, 694, 768, 858, 931

Rey, J. J.: see Matha, A. Reynaud, G., 789* Reynolds, J. B., 382, 866 Reynolds, R. V. R., 626* Reynolds-Ball, E. A., 308 Reznichenko, V., 631*

RHINE: ¶Jahres-Bericht des Zentralbureaus für Meteor. u. Hydrogr. ... Baden mit ... meteor. Beo-bachtungen und Wasserstandsaufzeichnungen am Rhein und an seinen grösseren Nebenflüssen für 1911, 793*; Der Rhein-Marine Kanal. Doell, 793*; Rhine Gorge and the Bosphorus. W. M. Davis, 391*

RHINE PROVINCE: Q Zur Geschichte des Rheinisch-Westfälischen Katasters. J. J. Vorlaender: Ein Vorkämpfer des preussischen Ver-messungswesens. A. Pfitzer, 472*

RHODE ISLAND: ¶ Agriculture. Statistics, Farms, Crops, etc., Census 1910. 147*; Population. Composition and Characteristics, Census 1910, 468*; Report for 1912 on Trade, etc., 867*
Rhodesia, Progress in —, 200
Rhys Davids, T. W.: see Giles, H. A.

Ribbe, C., 152* Ricart y Giralt, J., 475* Ricchieri, G., 474*, 552*, 771, 954* Rice, H.: —'s Explorations, 925

Rich, J. L.: see Harder, E. C. and Tarr, R. S. Richards, R. W.: see Schultz, A. R.

Richthofen's

michet, E., 789* Richter, C. G., 624 Richter, W., 472* Richthofen, F. v.: ¶Richthofen, F. v.: ¶Richthofen, W. R. Carles, 711* Rickmers, W. R., 534 Riedel, J. 154* Riedel, J., 154* Rigg, G. B., 708*

Riggs, A. S., 444*, 779 Riker, C. L., 634* Rikli, M., and Schröter, C., 772

RIO DE JANEIRO: ¶Annuario publicado pelo Observatorio Na-cional do — para anno de 1913, Nacional, 1909, 229*; Report for 1911-12 on the Trade of Consular District of —, 627* Rio de Janeiro, Geographical Society

of -, 762

Rio de Oro, Map: Régions au Nord et nord-ouest de l'Adrar. G. Schmitt,

Rio Doce, Algunas Indicaciones sobre los Uti-Krag del -. W. Knoche, 786*

RIO GRANDE: ¶Controversies over the - Waters, 849; Monumentación de Bancos en el Rio Bravo del Norte ejecutado conforme a la convención de Bancos del 20 Marzo de 1905, n., 703

Rio Grande do Norte: Geographia, Geologia, Suppremento d'Agua ... Ceará, Rio Grande do Norte, Para-hyba. R. Crandall, n., 623 ¶Map: Mappa geologico reduzido dos Estados do Ceará, Parahyba e R. Gr. do Norte. R. Crandall and H. E. Williams, n., 238

Rio Grand do Sul, Map: ¶Carta das Lagôas dos Patos e Mirim mostrando a limha de navegação entre os portos interiores e a Barra do Rio Grande do Sul. N. Pujol, n., 237

Rioja: ¶Informe sobre el estado de la minería en los distritos mineros de Famatina y Guandacol de la provincia de la Rioja. P. Viteau, 627*; Parte meridional de la provincia de — y regiones limítrophes. constitución geol. y productos minerales. G. Bodenbender, 627*

Ritz, H. B., 949*

RIVERS: ¶On Accuracy of Stream Measurement. J. I. Craig, 634*; Capture de la haute Flinders. J. V. Danes, 72*; Découverte d'une rivière chaude sous le lit de la Durance. C. Rabot, 792*; Entste-hung und Umbildung von Flussterrassen. B. Dietrich, 473*; Étude des rivières pyrenéennes au point de vue de l'écoulement et de la dénudation, 792*; Les lois de M. de Lóczy relatives à l'alluvionnement et aux sinuosités des rivières. G. Trenkó, 794*; Notable Example of Stream Piracy in Europe, 691; Preuve définitive de la capture de la Moselle par la Meurthe. P. Le-moine, 632*; Note sur l'évolution du lit des cours d'eau. J. Blache, 554*; Original Streams and Their Rôle in General Desert-Leveling. C. R. Keyes, 634*; Principe du mouvement des eaux souterraines. J. Versluys, n., 386; Rivers and Floods. A. J. Henry, 616; Work of Rain and Rivers. T. G. Bonney, rev., 702; Zusammenstellung von Zahlen für die Wasserführung der Flüsse. L. Henkel, 393*

River-Valleys, Submerged —. R. M. Deeley, 794* Rivers, W. H. R., 152*

Rivet, P., 229*; see also Créqui-Montfort, G. de.

Riviera, Austrian: ¶ Handbook of Dalmatia, Abbazia, Lussin, etc. The Austrian Riviera, including Albanian Coast, etc. (Guide Hartleben), n., 942

Riviera, French: Côte d'Azur de Marseille à San Remo. G. Beauvais, 865*; Nice, Beaulieu, Monaco, Monte Carlo et leurs environs (Guides Joanne). Em. Semence, 949*

Robbins, Chandler, Personal, 196

Robinson, T. B., 391* Robson Peak District: **Cambrian** Formations of the -. C. D. Walcott, 945*; The Robson Peak District of B. C. and Alberta. C. D. Walcott, 709*
Rockhill, W. W.: see Hirth, F.

¶Essai sur la genèse et Rocks: l'évolution des roches. A. Vialay, n., 309; Rock-cut Surfaces in the Desert Ranges. S. Paige, 393*

Rocky Mts., Canadian: ¶Exploration in the — North of Yellowhead Pass. J. N. Collie, 867* ¶Map: Chaîne Canadienne des Rocheuses, n., 156 Rodriguez, L. A., 779

Rodway, J., 210

Roehl, H., 639 Rogers, R. W., 545 Rogue R. Valley, Ore., Prevention of Frost Injury in the Orchards of the P. J. O'Gara, 445

Rohan-Chabot, La mission — dans l'Angola. E. Hulot, 314* Rohlena, J., 792* Rohrbach, P., 153*

Roman Empire: ¶La colonizzazione Militare dei Romani. N. M. Campolieti, n., 145

Roman, F., and M. Gennevaux, 632* Rome: Brevi note sui sette colli di Roma. W. M. Davis, 392*; Clima di Roma. Esame delle osservazioni meteorologiche eseguite dal 1782 al 1910, 144*; Report for 1912 on Trade of the Consular District of

-, 951 Roncière, C. de la, 875*

Rondet-Saint, M., 211

Roorbach, G. B., 228*, 867*; Personal, 527

Roosevelt Dam and the Salt River Valley. H. H. Barrows, 625* Roque Canal, The Great — of Matanzas, 785*

Rosario, J. I. del: see Pratt, D. S.

Rosberg, J. E., 952* Roscher, Albrecht: @Beiträge zur Geschichte der Familie Roscher. 1. Lebenslauf des Dr. Roscher: Erforschung des Niger-stromes. H. Roscher, 864*

Roscher, H., 864 Rosenbluth, R., 231* Rosendahl, C. O.: see Clements, F. E.

Ross, A. D., 794* Ross, E. D.: see Giles, H. A. Ross, Sir Ronald, 435 Ross, W. M., 628*

Rossi-Forel Scale of Earthquake Intensities, 794*

Rossini, C., 389* Rotch, A. L., 145

Rothaug, J. G., 234* Rotterdam: ¶Der Hafen von Rotter-dam, 226*; Report for 1912 on Trade and Shipping of Consular

District of -, 951* Rottman, H., 154*, 791*

Rouen, Report for 1912 on Trade, Commerce and Industries of Consular District of -, 950*

Rouillard, E., 155*, 394*

Roux, C. A., 632* Roux, J. C., 309

Royal Geographical Society: ¶ Address to the —. Earl Curzon of Kedleston, 954*; Women admitted to Fellowship in the —, 205 Rubber: ¶Funtumia elastica ("Kickxia''). C. Christy, rev., 533; Rubber Industry. Official Report of Proc. Intern. Rubber Congress, 1911, rev.,

Rübel, E.: see Brockmann-Jerosch, H.

Ruddick, J. A., 549*
Ruddn: ¶Ostseeinsel — einst und jetzt. F. W. P. Lehmann, 73*
¶Map: Insel — in den Jahren 1695 und 1910. F. W. P. Lehmann, 73* mann, n., 398

Rüdiger, H., 472* Rudolphi, H., 154* Rügen: ¶Küstenverlagerung und Meeresströmung zwischen Alten. H. Spethmann, 73*

Ruhl, A., 458 Rühl, A., 862* RUMANIA:

¶ Agriculture in 952*; Sur l'évolution du relief du plateau de Mehedinti. E. de Martonne, 952*; Report for 1911-12 on Trade and Commerce of —, 952*; Salzböden Rumäniens und ihre Urbarmachung. O. Maior, 154*; Sondage et analyse des boues du lac Galcescu. E. de Martonne and M. Murgoci, 472* ¶ Map: 1:100,000

Map of Rumania, 443 Russel, E. J., 386 RUSSIA: ¶Basic Features of Tec-tonics of Poltava, Kharkov, Chernigov, and Kursk Governments. P. N. gov, and Kursk Governments. P. N. Chirvinski, 952*; Beiträge zur Geologie der Halbinsel Kanin. W. Ramsay, 952*; Geographical and Mineralogical Annual, 1912, 154*; Home Life in —. A. S. Rappoport, n., 781; Tourist's Russia. R. K. Wood, rev., 302; Russian Empire of To-Day and Yesterday. N. O. Wintor 548. De Povenets à Winter, n., 548; De Povênets à Arkhangelsk. J. Legras, 952*; Russian Year Book for 1912. Compiled by H. P. Kennard and N. Peacock, n., 144; Sketch of Development of the Flora of Southwestern Russia. J. Paczoski, 154*; Studien über Ausbreitung der süd-finnischen Leitblöcke in Russland nebst einer Übersicht der letzten Eisrezession im Ostbaltikum. H. Hausen, 952* ¶ Economic: Forestry in the North According to the Government Report. M. Petrov, Russie et ses richesses. E. Taris, n., 385; Der Plan einer Eisenbahn am Schwarzen Meer. H. Rottman, 154*; Reports for 1912 on Trade of Various Consular Districts, 953* **q** History: Geograph ical Maps Published by Historical War Commission of the Russo-Japanese War. N. A. Korf, 554*; Russo-Japanese War: Le Novik. Journal posthume du Lieut. A. P. Steer, n., 227; Russo-Turkish War 1877. Strategical Sketch. F. Maurice, n., 385; History of Russia. V. O. Kluchevsky, rev., 60 ¶Maps: [Extract from] Carte spéciale de la Russie d'Europe, 710°. Corte du district de Pacificate. 719*; Carte du district de Povênets, n., 719; Russische Eisenbahnen, n., 239

Russian Central Asia: see under Asia. Russian River. A Characteristic Russian River. A Characteristic Stream of California Coast Range.

R. S. Holway, 625*
Ruthven, A. G., 760*
Ruthven, J. F., 155*, 943*
Rutland. (Cambridge County Geographies). G. Phillips, n., 465
Ruwenzori, Exhibition of Karakoram

and — Photographs, 924 Rux, W., 558; see also Kuntz, J.; and Sprigade, P.

Sadowski, B. L., 315*

SAHARA: Altitude de quelques points de la Région nord de Tombouctou. A. Brulard, 947*; De Duponchel à M. Berthelot: Historique du Transsaharien. L. Boyer, 70*; Mission d'études du chemin de fer transafricain. Capitaine Nieger, 312*; Studying Trans-Saharan Railroad Routes, 199; Some Features of the Physiography and Vegetation of Algerman —. W. A. Cannon, 481; Irrigation in —, 763; Liste des positions géographiques déterminées dans Sahara par la mission Cortier (1908-10). M. Cortier, 470*; Mag-(1908-10). M. Cortier, 470°; Magnetic Surveys in —, 199; Mission d'étude des chemins de fer transafricains. R. Chudeau, 150*; Nouvelle Carte de l'Aïr. R. Chudeau deau, 869; Oasis de Djanet. Son occupation par la compagnie saharienne du Tidikelt. Capt. Charlet, 150*; Oasis de Djanet. E. Ardaillon, 629*; Police française au — A. Terrier, 470*; Répres-sion du brigandage dans le —, 947*; Le Sahara occidental. Régions au nord et au nord-ouest de l'Adrar mauritanien. G. Schmitt, 947*; Les salines du — soudanais. M. Cortier, 150*; Les Touareg. Capt. Aymard, rev., 774; Le tracé de l'Oued el Djenneinen. Cornetz, Sahara-Cont'd.

150* ¶Maps: Itinéraires de la mission d'étude du Transafricain, 638*; Régions au Nord et Nord-Ouest de l'Adrar. G. Schmitt, n., 718; Through Timbuctu and Across the Great Sahara. A. H. W. Haywood, rev., 57

Saigon, Report for 1912 on Trade of —, 950*

St. Croix, W. I., Report for 1912 on Trade of the Consular District of and St. Thomas, 945*

Saint Helena: ¶Dans l'Atlantique. Sainte-Hélène aux xviie et xviiie siècles, l'Archipel de Tristan da

Cunha, etc. H. Dehérain, n., 305
Saint-Hilaire, H. G., 150*
St. Lawrence R.: ¶Currents in the
Entrance to the — from Investigations of Tidal and Current Survey, 1895, 1911 and 1912, 867*; Postglacial Earth-Movements about Lake Ontario and the Saint Lawrence River. J. W. Spencer, 783*

St. Lawrence River Basin. (Surface Water Supply of the U. S.) Part 4, 1910. C. C. Covert, A. H. Horton and R. H. Bolster, 148*; Part 4, 1911. C. C. Covert and R. H. Bolster, 148*

St. Louis, Report for 1912 on the Trade of the Consular District of

-, 784* Saint Pierre and Miquelon: port for 1912 on the Trade and Commerce of —, 950*; Statistiques du commerce des colonies francaises pour 1910: Saint-Pierre et Miquelon, 148*

Saint-Sauveur, J. de, 315* St Thomas, (Gulf of Thomas, (Gulf of Guinea):

¶ Madéporaires des îles San Thomé
et du Prince. Ch. Gravier, n., 864 St. Thomas, W. I., Report for 1912 on Trade of the Consular District of

and St. Croix, 945* Sakhalin: Russian Sakhalin.

Sokolov, 632*

Salé: Le port de Rabat-Salé et le Bou-Regreg. De Carsalade, 313* Salem, Mass.: Ships and Sailors of

 Record of a Brilliant Era of American Achievement. R. D. Paine, rev., 208; Summer Courses in Geography at the State Normal School, 528

Salembier, L., 634* Salina Cruz, Report for 1912 on the Trade of the Consular District of

Salinan Indians, Ethnology of the -. J. A. Mason, 228*

Salisbury, R. D., Barrows, H. H. and Tower, W. S., 220; — and Trowbridge, A. C., 386; Personal, 527, 530

Salt: ¶Immense Salt Concretions. G. D. Harris, 394* Salt Creek Oil Field, Wyo. C. E. Jamison, 387* Salt Lake Valley, Some Effects of Surface Slope on Climate in the —.

J. C. Alter, 445
Salt River Valley, Roosevelt Dam and the —. H. H. Barrows, 625*

SALVADOR: ¶Commerce of — for 1911, 551*; Estudio geografico, Histórico, Etnográfico, etc. de el Salvador. L. A. Rodriguez, n., 779; General Descriptive Data prepared in June, 1910, 551* Salwey, C. M., 151*

Salzburg, Klimatographie von -. A.

Fessler, 865*

Pathology of Samoa. SAMOA:

H. L. James, 949*
American Samoa: ¶American

Samoa. General Report by the Governor, rev., 778; Geographical Nomenclature of American Samoa. W. Churchill, 187; New Map of -: Further Comment. W. M. Crose, 671

German Samoa: ¶Der letzte Vulkan in Samoa. L. Imhoff, 553*; Nachklänge zum Matavanú-Ausbruch. K. Sapper, 72*; Matavanú im Jahre 1912. Nach Mitteilungen Dr. W. Grevels. K. Sapper, 553*; Meteorologische Arbeiten des Deutchen Samoa-Observatoriums. J. v. Hann, 949*; Seismische Registrierungen am Samoa-Observatorium der Kgl. Gesells. der Wiss. Göttingen, 1909 u. 1910. K. Wegener, 72* Samos, The — of Herodotus. E. E. Cole, n., 705

moyeds: ¶Über Lappen und Samo-jeden. W. Crahmer, 954*; Religion Samoyeds: und Sprache der Lappen und Samojeden. W. Planert, 954* Sampson, F. A., 708* Samter, M., 865

Sand Dunes, On a Genetic System of including Two New Types. M. Haltenberger, 513

Sands, W. F., 550* Sandström, J. W., 953*

Sanford, C. M., 474* Sanford, S., 867*

San Francisco: Report for 1812 on the Trade, Commerce and Navigation of the Consular District of -, 784*

San Francisco, Utah: Geology and Ore Deposits of the - and Adjacent Districts. B. S. Butler, 944

Sanga: ¶Ubangi et la Sangha. Leur valeur comme voies de communication, 710*; Compagnie Forestière Sangha-Oubangui. Ses Origines, etc., n., 225; Travaux d'aménagement forestier, 225*

Sangamon County Soils. C. G. Hopkins, J. G. Mosier and Others, 466* San Joaquin River Basin, Stream Measurements in -. H. D. Me-Glashan and H. J. Dean, 147*

San Juan, Argentina: ¶La alta Cor-dillera de San Juan y Mendoza y parte de la Provincia de San Juan. W. Schiller, 627*

San Juan Islands: ¶Forest distribution in the -. A Prel. Note. G. B. Rigg, 708*

San Juan Mts., Colo.: ¶Glacial Erosion in the —. T. C. Hopkins, 68*. San Luis, (Argentina): ¶Informe sobre el Estado de la minería en la provincia de -. G. Barrié, 627*

San Remo. F. Mielert, 951* an Salvador. (Crociera del Corsaros). E. A. d'Albertis, n., 779 San Salvador. Santa Cruz: see Saint Croix.

Santa Marta: ¶Cedulario de las Provincias de — y Cartagena de Indias (Siglio XVI), Tomo I., n., 941 Santarem, 2° Visconde de, 782 Santiago: ¶Relation between Nile

Floods and the Rainfall of R. C. Mossman, 926

SANTO DOMINGO: ¶Brief Statistical and Geographic Review of the Dominican Republic, 1810, 229*; Commerce of Dominican Republic for 1911, 551*; Descriptive Data prepared in June, 1909, 551*; Foreign Commerce of Dominican Republic for 1912, 785*; Report on Trade and General Condition, 468*; Report for 1912 on Trade, Com-merce and Navigation, 785*

São Paulo: ¶ Explorations in North-762; Geographisch-geologische Aufnahmen im brasilischen Staate São Paulo. E. A. Göldi, 946*; Report for 1912 on Trade of

the State of —, 868*
Sapoznikov, V. V.: ¶Les Découvertes du Prof. Sapojnikoff dans l'Altaï de Mongolie, n., 547; Saposchnikows Erforschung des Mongolischen

Altai. M. Friederichsen, 231* Sapper, K., 72*, 229*, 550*, 553*, 716, 794*, 872*, 945* Sarawak. P. Cunynghame, 231*

Sarchi, Das Erdbeben von - K.

Sapper, 229* Sargent, A. J., 58, 74*, 79*, 308, 863 Sargent, R. H., 635

Sartiaux, A., 927

SASKATCHEWAN: ¶A Glimpse of Saskatchewan Forest. J. C. Blumer, 784* ¶ Maps: Cereal Map of Saskatchewan, n., 237; Map showing Disposition of Lands, n., 237; Sectional Map of Western Canada, n., 557

Saunders, —, Personal, 620. Saunders, E. J., 367

Savannah, Report for 1912 on the Consular District of -, 784*

Savas, C., 632* Saville, C. M., 850

Savoie: ¶ Géographie du Départe-ment de la Savoie. P. Joanne, n., 144; Savoie. Guide revisé par M. Paillon, n., 146

Savoy: ¶ Études glaciologiques en Savoie. M. Mougin, 765; Le Nomadisme dans les hautes valleés savoyardes: Étude de géographie hu-maine. P. Arbos, 792*; Vie pas-torale dans la Savoie septentrion-

ale. C. Rabot, 792*
Sawicki, L., 72*, 154*, 471*, 713*
Saxe, Grand Duchy: **q** Gebietsaustausch zwischen dem Grossherzogtum Sachsen und dem Herzogtum Sachsen Meiningen vom. Jan. 1, 1913, 793*

Sayce, A. H., 461 Sayles, R. W., 874*

SCANDINAVIA: ¶ Flora Deutschland und Fennoscandinavien, sowie von Island und Spitzbergen. F. Hermann, n., 308; Simon van Salinghens karta öfver norden (Scandinavia) 1601. E. G. Palmén, 872* Maps: ¶Schneegrenzkarten Skandinaviens, n., 960

Schäffer, M. T. S., 53 Schanz, M., 389*, 786*

Scheibbs: ¶Das Scheibbser Erdbeben vom 17. Juli, 1876. A. Kowatsch,

Scheltema, J. F., 537 Schenk, A., 861 Scherer, J., 945* Schering, K., 960* Schiarini, P., 635* Schiffer, S., 464 Schiller, W., 627*

Schlaginhaufen, O., 152*, 300 Schlee, P., 953*

Schlenzka, Capt.. 393*, 560

Schlettwein, C., 75* Schlüpmann, -, 951* Schmidt, A., 472* Schmidt, C.: see Burgt. J. M. M. van der, and Schultze, A. Schmidt, M., 868* Schmidt, M. G., 948* Schmidt-Stölting, H., 631* Schmitt, G., 718, 947* Schmucker, S. C. and Nusbaum, L., 223

Schnee, —, 947* Schneider, R., 314* Schockel, -, Personal, 527 Schoener, G., 794* Schoff, W. H., 296 Schöffer, C., 627* Schott, G., 378, 873* Schottler, W., 234* Schoy, C., 234*, 393*, 554* Schrabisch, M.: see Skinner, A.

Schrader, F., 880 Schrader, F. C., 636; see also Pickett, R. D., and Sweetser, N. W. Schreiber, P., 73*

Schröder-Stranz Expedition, 929; Disaster Overtakes _, 289

Schröter, C.: see Rikli, M.
Schuchert, C., 312*, 944*
Schuller, R. R., 627*
Schultz, A. v., 78, 552*
Schultz, A. R., Richards, R. W. and
Pardee, J. T., 311* Pardee, J. T., 311*

Schultze, A. and Schmidt, C., 479

Schultze, E., 72* Schultze, L., 152*; see also Moisel, M. Schulze, F. W. G., Personal, 693 Schumacher, —, 869*

Schuster, A. N., 311*

Schwartz, —, 690 Schwarz, E. H. L., 235*

Schwarzwald: ¶ Entstehung des Breitlohmisses am Kaltenbronn. Beitrag zur Erforschung der Moorbildungen des nördlichen Schwarzwaldes. Hausrath, 793*

Schweinfurth, Dr. G., Lettera sulla Libia del —. A. Borzi, 313*

Scientific Method. Its Philosophy and its Practice. F. W. Westaway, rev., 546

Scisco, L. D., 721 Scofield, C. S., 75*

SCOTLAND. See also Geography United of Scotland. Regional and Practical. D. Frew, rev., 65; MacDonald's Tourists' Guide to Scotland, n., 226; Polmont Kame and on Classification of Scottish Kames. J. W. Gregory, 954*; Relation between Cambrian Fauna of - and North America. B. N. Peach, 68*; Scotch Forestry. Its Economic Aspect. S. J. Gammell, 392*; Short History of -. A. Lang, n., 66 ¶ Maps: Bartholomew's "Half-Inch to Mile" Map. New Series, Sheets 9 and 21, n., 79; Bathy-Orographical Map of Scotland, n., 160; Pratt's Road At-las of Scotland and Ireland for Motorists, n., 720

SCOTT, CAPT. ROBERT F.: Expedition: ¶ Antarctic Year's Results, 473*; The Antarctic Disaster, 473*; Le désastre de l'ex-pédition Scott. C. Rabot, 472*; Honors to Surviving Members of the Scott party, 930; Memorial to Captain Scott and his Dead Comrades, 369; Robert Scott och hans expedition. O. Nordenskjöld, 872*; Fate of his party, 202 ¶ Map: Itinéraire du Capitaine Scott au Pôle Sud, 639*

Scrivener, J. B., 864 Sea: ¶ Das Meer als Quelle der Völker-grösse. F. Ratzel, n., 67; Wirt-schaftsgeographische und handels-

politische Bedeutung der Weltmeere. M. Eckert, 474

Sea-Elephant: ¶ The Northern Elephant Seal. C. H. Townsend, 555* Sea People, The Early —. K. E.

Dopp, n., 386 Sea Power, The Evolution of —. P. A. Silburn, rev., 383

Sea Road to the East. A. J. Sargent, rev., 58 Sea Trader, His Friends and Enemies.

D. Hannay, rev., 699

Seals: ¶Fur Seal Mortality of the Pribilof Rookeries in Absence of Pelagic Sealing. M. C. Marsh, 311*; Salvation of Alaskan Fur Seal Herd. H. W. Elliott, 68*; Seals of Pribilof Islands, 311*

Searcy, A., 538 Seattle, Map: ¶Seattle en 1912, n., 636

Sechuan, Map: d Himalaya and Se-

Tchouen, n., 158 Sederholm, J. J., 954* Sedgwick, F. R., 308

Sedgwick, H. D., 215 Sedimentation: ¶Étude sur la chute des sédiments dans l'eau. R. de Buen, 234*

Seidenadel, C. W., 777

SEISMOLOGY. See also Earthquakes: ¶Contents of Publications of the Imperial Investigation Committee, Tokyo, 1913, 635*; Drei Dezennien der Erdbebenforschung in der Schweiz. C. Tarnuzzer, 233*; Ueber Erdbebenwellen. Seismology-Cont'd.

VI: Konstitution des Erdinnern, erschlossen aus der Intensität longitudinaler und transversaler Erdbebenwellen. usw. L. Geiger and B. Gutenberg, 393*; Festlegung des Epizentrums durch Azimutbeobachtungen an zwei Stationen. Mainka, 874*; On further Relation Between Seismic Frequency and Between Seismic Frequency and Motion of Earth's Pole. A. D. Ross, 794*; Importance of Displaced Objects in Studying the Character of Earthquake Motion in Megaseismic Areas. S. Taber, 794*; Japan's Contribution to Seismology. A. G. McAdie, 712*; Lectures on Seismometry. Prince B. Galitzin, 794*; List of Seismographs in America, 874*; Principales Fenó-menos originados por los Terremotos y Manera de Observarlos, 874*; Report on Observations of Pulsatory Oscillations in Japan. F. Omori, 712*; Seismische Registrierungen in Wien im Jahre 1910. R. Schneider, 314*; Seismischen Registrierungen am Samoa-Observatorium der Kgl. Gesell. der Wiss. Göttingen, 1909 u. 1910. K. Wegener, 72*; Séismicité dans le bassin de Paris. C. Rabot, 632*; Seismograph at the American Museum. E. O. Hovey, 473*; Seismology, Terrestrial Magnetism and Gravity. O. Klotz, 794*; Tremblement de terre de Plom-bières-Remiremont 1682. Contribution à l'histoire des phénomènes sismiques en France. A. Uhry, 950* Seismological Society of America, 784

Seler, E., 873* Seliger, P., 943*

Seligmann, C. G., Personal, 767

Selkirk Mts.: ¶First Ascents in the Southern Selkirks. E. W. Harnden, 549*; Mr. Wheeler's Guide Book of the -, 855

Sella's (Vittorio) Photographs on Exhibition, 924

Sellards, E. H., 708*

Semence, Em., 942* Semple, E. C., 151*, 255, 285*

Seneca Nation from 1655 to 1687. F. Houghton, 68*

SENEGAL: ¶Le Filao au Sénégal, 389*; Sénégal, 869*; Sénégal. M. Olivier, 947*; Statistiques du Com-merce, 1910, 469*

SENEGAL R.: ¶La barre du Sénégal, 788*; Haut-Sénégal et

Niger, 869*; Les mines d'or du Haut-Sénégal-Niger. J. Meniaud, 869*

Sengmüller, -630*

Sepik R.: see Kaiserin-Augusta R. Sequoia and General Grant National Parks, General Information Re-

garding — 1913, 784* Sergi, G., 543 Sergipe, Instituto Historico e Geog-

raphico de —, 690 Serra, C. F., 787* Serre-Telmon, J. du, 71*

SERVIA: ¶Population of Servian Lands. J. Cvijić, 949*; Serbie. (Aux Pays Balkaniques). A. Muzet, n., 865; Staat und Gesellschaft im mittelalterlichen Servien: Studien Jahrhunderts. C. Jireček, 949*; Zugang Serbiens zur Adria. J. Cvijić, 315* ¶Maps: ¶Eisenbahnen und Befestigungen Serviens. G. Kuchinka, n., 398; Geographische und kulturelle Zusammenhange Serbiens mit dem Adriatischen Meere. J. Cvijić, n., 239; Makedonien, Altserbien und Albanien. K. Peucker, n., 320; Serbische Reich in seinem grössten Umfang unter Stephan Duschan um 1346, n., 399; Sketch map of Sanjak of Novibazar, n., 879

SEWARD PENINSULA: ¶Surface Water Supply of -, with a Sketch of the Geography and Geology, and Description of Methods of Placer Mining. F. F. Henshaw, G. L. Parker, P. S. Smith, and A. H. Brooks, 707* **qMaps**: Geo-logic Map of —. P. S. Smith, n., 715; Reconnaissance Map of —, n., 715*

Seyffert, C. A., 634*

Seymour Island: ¶Über die Alttertiären Vertebraten der Seymour-insel. C. Wiman; Über die Ter-tiäre Flora der —. P. Dusén (Wiss. Ergebnisse der Schwedischen Südpolar-Exp., 1901-3), rev., 377

Shackleton, E., 942; — in the Antarctic, Being the Story of the British Antarctic Expedition, 1907-9. E. Shackleton, n., 942

Shaler, M. K.: see Ball, S. H.

Shan States: ¶Die nördliche Shanstaaten und ihre Bewohner. A. K. Gebauer, 71* Shanghai, Short Cut from — to

Peking, 201 Shannon, C. W., 147*, 867*

Shansi, Coal and Mineral Resources of —. E. T. Nyström, rev., 775

Shark River Inlet, Second Report on — and a List of New Bench Marks. C. C. Vermeule, 708*

Sharpe, H. D.: see Woodward, H. B. Shasi, Report for 1912 on the Trade

Shaw, E. W., Personal, 530 Shaw, W. N., 541 Shea, J. G., 207 Shelley, H. C., 66 Shelton, W. A., 621

Shilluks: The Shilluk People, Their Language and Folklore. D. Westermann, rev., 934; Some Remarks on the Nilotic Negro and a Review of Westermann's Shilluk People. J. A. Meldon, 787* Shimonoseki:

¶Report for 1912 on the Trade of the Consular District of -, 790*

Shipping: ¶Aids to Shippers, 387*
Shitkov, B., 158
Showalter, W. J., 956
Shufeldt, R. W., 627*
Siachen or Rose Glacier, Some Notes

on my 1912 Expedition to the —. F. B. Workman, 151*

SIAM: ¶ Half Century Among the Siamese and the Lão. D. McGilvary, rev., 57; Report on Operations of the Royal Survey Dept. for 1910-11, 391*; Siam and its Productions, Arts, and Manufactures. Compiled by G. E. Gerini, n., 624; Topographische Landesaufnahme

Siam. M. Groll, 871*

SIBERIA: Chemins de fer et la navigation en Siberie, 71*; Eisenbahn- und Wasserstrassenpläne in Sibirien. H. Rottman, 791*; Getreideerzeugung und Getreideausfuhr Sibiriens und deren Entwicklungsmöglichkeit. Hollman, 791*; On the Increase of Native Population in -. Statistical Material Relating to the Extinction of primitive Tribes. S. Patkanov, 552*; The Land of Promise. A. W. Greely, 232*; Sibirien. Eindrücke und Betrachtungen aus Natur und Politik. A. Stirne, rev., 776; Surveys of North Siberian Coast, 288; Statistical Data on Racial Composition of the Population of -: Language and Distribution of Natives, Data in Census 1897. S. Patkanov, 552*; Through Siberia. An Empire in the Making. R. L. Wright and B. Digby, n. 464; Wiss. Ergebnisse der Expedition nach dem Sichota-Alin. 3. Grundzüge des Baues des Sichota-Alin-Gebirges. 4. Über mio-

zäne Pflanzenreste aus dem Sichota-Alin. J. Nowak, 71* **q Maps**: Basin of the Upper Yenisei and Surrounding Regions. D. Carruthers, n., 559; Péninsula Yamal d'après les levés de l'expédition Jitkoff, 1908, 158*

SICILY: ¶ Della corrente litorale del Mediterraneo con particolare ri-guardo costa orientale della Sicilia. O. Marinelli and G. Platania, 634*; Impressions de Sicile. L. Caico, 951*; Problem of Irrigation in the south of Italy and Sicily. O. Bordiga, 951*; Report for 1912 on Trade and Commerce of -, 951*; Sicilia. Studio geografico-militare. V. Pappalardo, n., 226; Vistas in Sicily. A. S. Riggs, n., 779 Siebenthal, C. E., 467*

Sieberg, A.: see Lais, R.

Siegfried, A., 294

Sierra de la Lumbrera. P. Denis, 868* ¶ Map. Sierra de la Lumbrera, n., 957

Sierra Leone: Temne People and How They Make Their Kings. E. Biyi, 711*
Sierra Nevada: ¶Physiography and

Structure of Western El Paso Range and Southern -. C. L. Baker, 146*

Sievers, W., 456 Sikkim: ¶ Fourth Visit to the Sikhim Himalaya, with Ascent of the Kangchenjhau. A. M. Kellas, 789*; Vegetation of Zemu and Llonakh Valleys of Sikkim. W. W. Smith and G. H. Cave, 71*

Silburn, P. A., 383 Silk: ¶World's Production of Silk in

Silks, F. J. v., 66
Simar, T., 710*
Simon, S. V., 151*
Simonds, F. W., 388*
Simpson, E. S. and Gibson, C. C., 871* Simpson, H. E., 708*; see also Norton, W. H.

Sitka and Juneau Mining Districts, Geologic Reconnaissance Map of the —. After F. E. and C. W. Wright,

Skinner, A. and M. Schrabisch, 626* Sladen, D., 215, 871* SLEEPING SICKNESS: ¶A

SLEEPING SICKNESS: ¶Ancienneté de la maladie du sommeil. J. Leclercq, 394*; Maladie du sommeil au Katanga. F. O. Stohr, n., 225; Schlafkrankheit in Katanga. F. D. Stohr, 947*

Slingsby, W. C., 633*

Smith, A.: see Evans, F. J. Smith, Benjamin Leigh, Obituary, 290 Smith, C. O.: see Smith, R. E.

Smith, D. E., 368

Smith, E., 546

Smith, G. E., 212 Smith, G. O. and Others, 467* Smith, G. W., 390* Smith, H. I., 69*

Smith, H. M., 555* Smith, J. R., 554*; Personal, 693 Smith, J. W., 69*

Smith, L. B., Personal, 930 Smith, P. S., 228*, 715, 760*; see also Henshaw, F. F.; and Prindle, L. M. Smith, R., 148*

Smith, R. E., Smith, C. O. and Ramsey, H J., 228*
Smith, V. A., 781*
Smith, W. D., 390*
Smith, W. W. and Cave, G. H., 71*

Smithsonian Institution: ¶ Annual Report . . . Operations, Expenditures, and Condition of — for Year Ending June 30, 1911, 626*; Explor-. ations and Field Work of the — in 1912, 784*; Proceedings of U. S. Nat. Museum, 1912, 468*

Smyrna: ¶Smyrne, la ville d'Homère.

E. Deschamps, 152*

Snake R. Basin. (Surface Water Supply of the U. S., 1910). F. F. Henshaw, E. C. La Rue and G. C. Stevens, 707*
Snider, L. C., 69*, 867*
SNOW: ¶Conservation of Snow:

Its Dependence on Mountains and Forests. J. E. Church, Jr., 154*

¶ Maps: ¶ Isochionen der Nordpolarländer, n., 960; Schneegrenzkarte der Alpen, n., 960; Schneegrenzkarte des Kaukasus, n., 960; Schneegrenzkarte Mittelasiens, n., 960; Schneegrenzkarten Skandinavien, n., 960 Sociedad Geografica de Lima, Anni-

versary of the —, 199 Società Italiana di Esplorazioni Geografiche e Commerciali di Milano, L'opera della — dal 1879 al 1913, 713

Society of Antiquaries of London, Proceedings of the - Session 1911-12, 466*

Soemba Is.: ¶ Een verkenninstocht over het eiland Soemba. H. Witkamp, 151*

SOILS: ¶Apuntes para la confección de un mapa geológico agronómico. G. Bodenbender, 873*; Boden und Klima auf Kleinstem Raum. G. Kraus, rev., 377; Erdboden Temperatur in ihren Beziehungen zur Entwicklung der Vegetation. W. Naegler, 74*: Lessons on —. E. J. Russell, n., 386; Soil Flow. W. H.

Hobbs, 281; Über den Plantagenboden und seine Düngung. E. Carthaus, 795* Sokolov, D., 632*

Solar Radiation, Influence of Clouds on the Distribution of -. Kimball and E. R. Miller, 235*

Somali Coast French Protectorate: **q**Côte Française des Somalis, Statistiques du Commerce, 1910,

Somaliland, British: ¶Big Game Shooting in India, Burma and Somaliland. V. M. Stockley, rev.,

SOMALILAND, ITALIAN: ¶So-malia Italiana: La carta magnetica del Benadir. L. Palazzo, 312*; La Foce del Giuba, 312*; Statistische doganali dell'anno finanziario 1909-10, 312* ¶Map: Carta Magnetica del Benadir per l'epocha 1909-0, n., 317

Somme, La vallée de la - et ses tourbières. P. Dubois, 392*

SONORA, Maps: ¶ Map showing Papago Rancherias, Present and Past. C. Lumholtz and A. Briesemeister, n., 76; Sketch Map of Part of Sonora and Arizona to Illustrate paper by C. Lumholtz, n., 76; Sketch Map of Part of Sonora and Arizona to illustrate paper by I. N. Dracopoli, n., 76

South Australia: see under Australia. South Carolina: Population. Composition and Characteristics, Census 1910, 468*; Statistics of Agriculture, Census 1910, 228*

SOUTH DAKOTA: ¶Data of Archaeology of the Dakotas. H. I. Smith, 69*; Population. Composi-tion and Characteristics, 13th Census of the U. S. 1910, 708*; Prel. Rpt. on Geography, Geology and Biology of Mellette, Washabaugh, Bennett and Todd Counties. E. C. Perisho and S. S. Visher, 387*

Southampton Island, Additions Captain Comer's Map of -, 516

South Seas: ¶ Über die astronomischen Kenntnisse der Naturvölker Australiens und der Südsee. Kötz, rev., 301

Spahr, Dr., 147*

Bodennutzung und land-SPAIN: wirtschaftliche Produktion in Spanien. A. Oppel, 392*; Congress of Commercial Geography in —, 618; Los griegos en España. Estudios geográficos. A. Blázquez, 233*; Irrigation au sud des Pyrénées.

Spain-Cont'd.

Baron de Contenson, 554*; Spain and Portugal. Handbook for Travellers. K. Baedeker, 705*; Present Condition of Citrus Growing in Spain. J. M. Priego, 554*; Report for 1912 on Industries and Commerce of -, 953*

Spanish Guinea: see under Guinea. Speerschneider, C. I. Hansen, 473* Speight, R., see Marshall, P. Speleology. See also Caves: ¶I

Speleology. See also Caves: **Q**L'opera di E. A. Martel e la geografia
sotterranea. F. Musoni, 634*
Spencer, J. W. Winthrop, 783*, 873*,

Sperlin, O. B., 311*

Spethmann, H., 73*, 74*, 232* Spetyer, J. S., 871* Spinden, H. J., 785*; Personal, 693 Spinner, A., 774

Spinner, A., SPITZBERGEN: QCoal Mgs. Spinner, A., G. De Geer, 315*; Commercial Development of -R. N. R. Brown, 74*; Développe-ment commercial du Spitzberg: richesses du sous-sol, 554*; Disaster Overtakes Lieut. Schröder-Stranz's Expedition, 289; Schröder-Stranz Exp., 929; Über einige characteristische Bodenformen auf Spitz-W. Meinardus, Flora von Deutschland . . . sowie von Island und Spitzbergen. Hermann, n., 308; Région du Mont Lusitania au Spitzberg. A. Dubois, 714*; Sea west of —. Ocean-ographical Observations of Isachsen Spitsbergen Exp. in 1910. B. Helland-Hansen and F. Nansen, 473*; On Shelly Moraine of Sefström Glacier and other Spitsbergen Phenomena Illustrative of British Glacial Conditions, G. W. Lamplugh, 315*; Weitere Beiträge zur Küstenkunde von Spitzbergen. P. Vollrath, 714* ¶Maps: ¶Carte du réseau de triangulation établi par le capitaine Staxrud et l'ingénieur Koller en 1911 et 1912 dan la presqu'île entre le Green Harbour et la Van Mijen Bay, 639*; Carte du Spitsberg occidental indiquant la région levée par la mission nor-végienne en 1912, 639*

Sponges, Fresh Water-and particularly those of the United States. A. M. Kirsch, 707*

Sporades: ¶La pesca e l'industria spugne nelle Sporadi meridionali. A. Martelli, 948*

Sprigade, P. and Moisel, M., 558; -, Nobiling, H. and Rux, W., 718

Sseu-ngen Canal, Maps: ¶Carte de l'entrée du canal entre le Siang-Kiang et le Tan-Kiang à Sseu-ngen.
P. A. Lapicque, n., 396; Carte de
la sortie du canal à Ta-yong-hien.
P. A. Lapicque, n., 396; Esquisse de la région entre le Yang-Tseu et le Si-Kiang, 396*
Staff, H. v., 389*
Stampalia (Astropolia): ¶L'Isola

di Stampalia. A. Martelli, 871* Standley, P. C., 228* Staniford, C. W., 467*; see also Gres-

son, B. F. Jr.

son, B. F. Jr.
Stanleyville, A.—. A. Detry, n., 936
Stappenbeck, R., 156
Statistics, Use of — in the Teaching
of Geography. B. C. Wallis, 395*
Stauffer, C. R., Hubbard, G. D. and
Bownocker, J. A., 687

Staxrud, A. and Hoel, A., 450; - and

Koller, 639* Stead, W. G. S., 711*

Steamship Conquest of the World. F. A. Talbot, rev., 224 Steer, Lieut. A. P., 227

Stefanini, G.: see Dainelli, G.
Stefansson, V., 17, 93, 133*, 233*, 372*, 714*, 796, 872; —'s Next
Expedition, 288, 525; — on His
Journey North of Alaska, 929;
—'s Party Off for the Arctic, 618;
Origin of —'s Blond Eskimo.

A. W. Greely. 233*, Parsanal 290

A. W. Greely, 233*; Personal, 290 Steffen, H., 868*

Steffens, O., 950* Stein, A., 559, Personal, 693; —'s New Expedition, 927

Stejneger, L., Personal, 693

Stella: ¶La provenienza delle acque e la regione sorgentifera del fiume

— nel Friuli. A. Lorenzi, 633* telvio Pass: ¶ Über das Stilfse-rjoch. J. E. Langhans, n., 781 Stelvio Pass: Stereographic Projections, Trigonom-

etry and -. S. J. Brown, 943* Stereoscopic Surveying: ¶ Die Stereoskopische Messmethode in der Praxis. P. Seliger. I. Teil: Ein-führung in die Topographie, Ein-führung in die Bildmessung, Normal-Stereogram. P. Seliger, 943*

Sterneck, R. v.: Über die Gezeiten im westlichen Mittelmeer. A. Defant,

Sterrett, D. B., 311*

Sterrett, W. D., 232* Stettin, Report for 1912 on Trade and Commerce of Consular District of - (Comprising the Province of Pomerania), 950* Stevens, E. S., 935

Stevens, G. C.: see Henshaw, F. F.

Stevens, N. E., 311* Stevenson, E. L., F —'s Handbook, 365 Personal,

Stevenson, J. J., 393*, 794* Stiny, J., 74*

Stirne, A., 776 Stockley, V. M., 777 Stohr, F. O., 225, 947*

Stok, J. P. van der, 153*

Stone Age: ¶ Men of the Old Stone Age. With Account of a Motor Tour Through Principal Cavern Regions of South-Western Europe. Osborn, 394*

Stone Monuments, Rough - and their Builders. T. E. Peet, n., 309

Storms: ¶Diagrams of Storm Tracks and Thermo-Isopleths. J. I. Craig, rev., 304; Les orages. Applications des ondes hertziennes à leur obser-

vation. J. Loisel, n., 309 Strafford Quadrangle. C. C. H. Hitch-

.cock, 707

Strahan, A. and Cantrill, T. C., 392*

Strauchon, J., 152*

Streams: ¶On the Accuracy of Stream Measurement. J. I. Craig, 634*; Original Streams and Their Rôle in General Desert-Leveling.

Keyes, 634*
Streams, Underground: ¶Principe du mouvement des eaux souterraines.

J. Versluys, n., 386
Street, T. G., The Fate of H. V. Radford and —, 924
Stroch, R., 789*

Stromer v. Reichenbach, E., 309* Strümpell, K., 150*; — and Moisel, M., 559; Höhenmessungen des Haumptmanns -, 150*

Stübe, R., 948* Stübel, A., 463 Stumvoll, 231*

Stupart, R. F., 148*

Sturt, Charles. (Series: Master-Builders of Greater Britain).

Thurn, 470* yria: ¶ Mittelsteirische Erdbeben von 22. Jänner, 1912. F. Heritsch, 73*; "Trofaiachlinie." Ein Beit-Styria: rag zur Tektonik der nordsteirischen Grauwackenzone. H. Vetters, 73*

SUDAN: ¶Zur Geschichte des west-lichen Sudan: Wanqāra. M. Hart-mann, 628*; Hausa-Superstitions mann, 628*; Hausa-Superstitions and Customs. Introduction to Folk-Lore, etc. A. J. N. Tremearne, rev., 935; Notes on some Languages of Western Sudan, including 24 Unpublished Vocabularies of Barth, etc. P. A. Benton, rev., 57; Sviluppo economico del Sudan. P. Tappi,

Anglo-Egyptian Sudan: ¶ Baumwolle in Agypten und im englischägyptischen Sudan. M. Schanz, 389*; Una Crociera sul Nilo. Khartum-Gondokoro. E. A. d'Albertis, n., 780; Frontière Anglo-Congolaise, 389*; Some Remarks on Nilotic Negro and a Review of Westermann's Shilluk People. J. A. Meldon, 787*; Shilluk People, Their Language and Folklore. D. Westermann, rev., 934; My Sudan Year. E. S. Stevens, rev., 935; ¶ Maps: Carte des chemins de fer du Soudan Égyptien et de l'Afrique Orientale, n., 317; Carte du passin da M'Bomou, n., 717; Sketch of Pibor R., n., 77

French Sudan. Maps: Carte botanique, forestière et pastorale de l'Afrique Occidentale Française, n., 318; Régions du Ouadaï et de l'Ennedi d'après les travaux les

plus récents, etc., n., 157 Sudworth, G. B., 147*

Suess, Dr. Eduard: (Eminent Living Geologists), 234*; Personal, 856 Suez Canal, Traffic of the -, 1912, 926 Sugar: ¶World's Cane Sugar Industry: Past and Present. H. C. Prinsen Geerligs, rev., 381 Sullivan, V. L., 478

SUMATRA: ¶Kautschukkultur auf Sumatra. H. Schmidt-Stölting, 631*; Report for 1912, on the Trade and Commerce of Java, Sumatra, etc., 791*; Sudden Earth-Movements in Sumatra in 1892. H. F. Reid, 790*

Sun: ¶Die Sonne. A. Krause, n., 67 Sunda Islands: ¶Sunda-Expedition des Vereins für Geographie und Statistik zu Frankfurt am Main. Band. 2. J. Elbert, rev., 299

Supan, A., 639

Superior, Lake: Progress of Opinions as to the Origin of Lake Superior Iron Ores. N. H. Win-chell, 69*; Sandstone of the Wis-consin Coast of —. F. T. Thwaites, 147*

Surface Slope, Some Effects of — on Climate. J. C. Alter, 445

SURVEYING: ¶Copying Camera of the Surveyor General's Office. E. Deville, n., 548; Geschichte der geographischen Flächenmessung seit Einführung des Planimeters. T. Willers, 393*; Guide seientifique du Géographe-Explorateur. P. Crépin de Beauregard, n., 782; Kartographische Aufnahmen, usw. R. Hugershoff, 943*; Some New and Improved Instruments and Appa-

Surveying—Cont'd.
ratus for Geographical Surveying. E. A. Reeves, 554*; Plane Surveying. P. C. Nugent, rev., 701; Das Schrittmass und seine Umwandlung in Metermass. Beitrag für Beobachtungen auf Forschungsreisen. H. Löschner, 873*; Topo-graphic, Trigonometric and Geo-detic Surveying, Including Geographic Exploratory and Military Mapping. H. M. Wilson, rev., 701; Stereoskopische Messmethode in der Praxis. P. Seliger, 1 Teil: Einführung in die Topographie Einführung in die Bildmessung, Normal-Stereogram, 943*; Training College Students in Field Work,

Babb, C. C. Covert and R. H. Bol-Susquehanna

ster, 310*

Süssmilch, C. A., 364, 538 Sutherland, J., 225 Swakopmund: ¶Eine Reise längs der Küste Lüderitzbucht-Swakopmund im Febr.-März 1912. E. Reuning, 629*

SWEDEN: ¶Über die Beziehung zwischen Geologie und Landschaftsformen in Mittelschweden. O. Nordenskjöld and S. De Geer, 518; Explanation of Map of Land-Forms in Surroundings of Great Swedish Lakes. S. De Geer, 518; Förteckning över Sveriges Vattenfall, 953*; Hydrografiska Byrån Årsbok 3 för År 1911, 953*; Några ord om luftcirkulationen i norra Hamberg, Sverige. A. Meteorologiska forskningresormi de fjälltrakterna. svenska J. Sandström, 953*; Niederschläge in Schweden, J. v. Hann, 953*; Observations méteorologiques suédoises publiées par l'Academie Royale des publies par l'Academie Royale des Sciences de Suéde, 233°; Durch Schweden nach Lappland. J. Partsch, 72°; Statens Järnvägar år 1911 af Kungl. Järnvägstyrelsen, [Statistics of Railroads], 472°; Svenska Turist-Föreningens Ars-skrift 1013 605°; Valle Händ. skrift 1913, 625*; Valle Härad, a Kame Area in Vestergötland. W. Ahlemann, 205 Sweetser, N. W. and Schrader, T. C.,

Swem, E. G., 388*

SWITZERLAND: ¶Berner Alpenbahn. H. Behrmann, 865*; Drei Dezennien der Erdbebenforschung der Schweiz. C. Tarnuzzer, *; Gebirgsbau der Zentral-233*;

schweiz. P. Arbenz, 953*; Graphische Darstellung der Schweizerischen hydrometrischen Beobachischen hydrometrischen Beobach-tungen für das Jahr 1911. J. Nät, 953*; Gutachten über die Schläfis-tiftungs-Preisaufgabe "Der Deck-enschotter in der Schweiz" (Allu-vions anciennes en Suisse), 953*; Zur Morphologie der Berner Jura. Zur Morphologie der Berner Jura. P. Schlee, 953*; Suisse, (Guides pratiques Conty), n., 385; Suisse préhistorique. Le paléolithique et le néolithique. A. Schenk, rev., 861; Tabellarische Zusammenstellung der Haupt-Ergebnisse der Schweizerischen hydrometrischen hydrometrischen Schweizerischen hydrometrischen Beobachtungen für das Jahr 1910. C. Ghezzi and J. Näf, 953*; Unknown Switzerland. V. Tissot, n., 465 ¶Maps: Atlas Topographavo ¶ Maps: Atlas Topographique de la Suisse, 443*; Le parc national suisse, n., 399
Sympher, Ing., and Maschke —, 319
Syria: ¶ Die alten Seidenstrassen

alten Seidenstrassen zwischen China und Syrien. A. Herrmann, n., 225; Influence of Environment on the Peoples of Arabia and Syria. G. M. Marten, 314* ¶Map: Réduction d'une carte d'itinéraires en Syrie.

de Torcy and Marmier, n., 718 Sze-chuan, Map: ¶Itinéraires de la mission Legendre au Kien Tch'ang et dans les Marches Tibétaines, n.,

Taal, Asama-Yama and Katmai. A. G. McAdie, 714*

Tabasco: Situacio, extension, límites del Estado de -. Gonzalez, 148*
Taber, S., 794*; 944*
Tacke, B. and Lehmann, B., 465

Tacna, Provincie di -, etc. R. Monzani, 868*

Tacoma, Mount: see Mount Rainier. Tafel, A.: ¶ Kartenwerk: Dr. Albert Tafel, Reisen in China und Tibet. A. Penck, 870* ¶Maps: —: Reise in China und Tibet, 1905-8. Kartographische Ergebnisse. Teil I: China, n., 877; —'s Reise in China und Tibet 1905-8, n., 559

Tafilet: ¶L'orée du Tafilalet. J. du Serre-Telmon, 71*

Taft, G. E., 467*

Taimyr Peninsula, Icebreakers stopped

by Ice at the —, 288
Talbot, F. A., 224
Talbot, H. W. B., 470*
Talbot, P. A., 773
Talbot, Hypnosyigs, I. 30

Talko-Hryncewicz, J., 392*

Talman, C. F., 794*

Tampico, Report for 1912 on Trade and Commerce of the Consular District of -, 868*

Tananarivo: ¶Le chemin de fer de Tananarivo à Tamatave, 789 TANGANYIKA: ¶L'Allemagne, l'Angleterre et la Belgique au Tanganika. A. J. Wauters, 946*; Chemins de fer du Tanganika et les chemins de fer coloniaux allemands, 230*; Great Depths in Lake —. Capt. Jakobs, 926; Comment les eaux de l'ancien lac Kivu s'écoulent dans le Tanganika, 149*; Der Wasserstand des Tanganijka-Sees. H. Marquardsen, 628*

TANGIER: QLa baie de Tanger.
B. Beck'r, 469*; Ceuta, Tetuán,
Tánger, y Breve Descripcion, etc.
J. A. de Eguilaz, 941* QMaps:
Six Sketch Maps accompanying 'La-Baie de Tanger: Notes de Géo-graphie physique. B. Beck'r, 479*

Tanner, V., 952* Tappi, P., 789*

Tapuya Indians: ¶Zur Affinität der Tapuya-Indianer des "Theatrum Rerum Naturalium Brasiliae." R. R. Schuller, 627*

Tarapaca, Provincie di —, Atacama, etc. R. Monzani, 868* Taris, E., 385, 392* Tarnuzzer, C., 233*

Tarn, Ralph Stockman: ¶In Memory of —, 687; Memoir of —. J. B. Woodworth, 715*; —, 760*; — and Engeln, O. D. von, 702; — and Martin, L., 760, 783*; — and Rich, J. L., 394*

Tarr, W. A., Personal, 528

Tasmania: ¶Beitrag zur Kenntnis

Beitrag zur Kenntnis Tasmania: der tasmanischen Sprache. H. B. Ritz, 949*; Rainfall of —, 927; Submarine Bank of —. T. W. E. David, 764

¶ Étude morphologique Tatra Mts.: Karpates septentrionales. de Martonne, 471*; Chemins de fer Kassa-Oderberg et la Haute-Tátra,

Taurus, Die Täler des - und die Linie der Bagdadbahn. F. Frech, 871*

axation: ¶Les impôts directs dans les colonies. M. Rathgen, 394* Taxation: Taylor, E. G. R. see Unstead, J. F.

Taylor, F. B., Personal, 530
Taylor, G., 553*
Taylor, G. and Wilson, Routes of —,

(Map), 879* Taylor, J. M., 445 Taylor, N., 69*

Teggart, F. J., 626*
TELEGRAPHY: ¶Drahtlose Telegraphie im Kongostaate, 787*;
The German-South America-West African Cable, 692 ¶Maps: Map of the World Showing Princi-pal Wireless Telegraph Stations, n., 480; Weltkarte der Funken- und n., 480; Weltkarte der Funken- und Kabel-Telegraphie. O. v. Lossberg and H. Behner, n., 240
Telluride Quad., Colo., Glaciation in the —. A. D. Hole, 147*
Temne: ¶ Temne People and How They Make Their Kings. E. Biyi, 711*

711*

711*
Tempeleton, E. C., 708*
Teneriffe: ¶Erupción volcánica del
Chinyero en Nov. 1909. L. F.
Navarro, 628*; Nuevos datos Navarro, 628*; Nuevos datos sobre el volcán Chinyero. L. F. Navarro, 628*

TENNESSEE: ¶Drainage Prob-lems of Wolf, Hatchie and South Fork of Forked Deer Rivers in W. —. L. L. Hidinger and A. E. Morgan, 147*; Growth of Our Knowledge of — Geology. L. C. Glenn, 68*; Statistics of Agricul-ture, Census 1910, 228*; Tennessee University, Summer Courses in University, Summer Courses in Geography, 620 ¶ Maps: Crossville Quad., n., 477; Lake Cormorant Quad., n., 476

Tennessee River Basin. A. H. Horton, M. R. Hall, and J. J. Jackson, 311*

Teram Kangri, Height of -. F. B. Workman, 290 Terrestrial Magnetism: see Magnet-

Terrier, A., 470*, 551* Tetuan: ¶Ceuta, Tetuán, Tánger y Breve Descripcion, etc. J. A. de Eguilaz, 941*

Teubner's (B. G.) Verlagskatalog auf dem Gebiete der Mathematik, Naturwissenschaften, Technik nebst Grenz-

wissenschaften, n., 145

TEXAS: Geographic Influences in the Development of -. Simonds, 388*; Geology and Underground Waters of Wichita Region. C. H. Gordon, 625*; Population. Composition and Characteristics, 13th Census of U. S. 1910, 708*; Texas-California Arc of Primary Triangulation. W. Bowie, rev., 54 ¶Maps: Barnes Bridge Quad., n., 556; Buckholts Quad.. n., 477; Courtney Quad., n., 477; Howth Quad., n., 556; Rockwell Quad., n., 477; Geologic Sketch of the Wichita Region, n., 716

Thermal Regions of the Globe. A. J.

Herbertson, 554*
Thiele, J.: see Lamy, Ed.

Tholens, R., 948* Thomas, —, Personal, 619 Thomas, Apostle: ¶D

Q Die Thomas-Legende und die ältesten historischen Beziehungen des Christentums zum fernen Osten im Lichte der indischen Altertumskunde.

Dahlmann, n., 67 Thompson, C. W. and G. P. Warber, 626

Thompson, H. N., 630*

Thompson, S., 145 Thompson, W. W.: see Gilchrist, J. D. F.

Thomson, D., 785*
Thomson, J. S., 461
Thorlakhavn: ¶ — Opened as Trading and Industrial Port, 137

Thoulet, J., 698, 719
Thowa River. A. M. Champion, 149*

THRACE: ¶Campaign in —, 1912. P. Howell, n., 942; With the Turks in —. E. and S. Ashmead-Bartlett, n., 548 ¶Map: Campaign in Thrace, n., 638

Thuringia, Map: ¶ Gebietsaustausch zwischen dem Grossherzogtum Sachsen und dem Herzogtum Sachsen-Meiningen, n., 799

Thurn, E. im, 470*, 553* Thurnwald, R., 474* Thwaites, F. T., 147*

Thys, R., 552*

Tiahuanaco:

¶ Beiträge zur Kenntnis der Ruinenstätte von —. Nestler, 786*

TIAN-SHAN: ¶ Gletscher- und Eiszeitstudien im westlichen Tian-Schan. F. Machatschek, 314*; Physiographie des Tian-schan. G. Merzbacher, 314*; Physiographie des - in ihren Beziehungen zum Klima und zur Entwicklung des Pflanzenlebens. G. Merzbacher, 314*; Reise in den südlichen Gebirgsketten des - zwischen Narin und Maral-Baschi. G. Prinz, 711*; Der westliche Tienschan. Ergebnisse einer geographischen Studienreise. F. Machatschek, 391* ¶ Wiss. Ergebnisse der Reise von Merzbacher in zentralen und östlichen -, 1907-8. 1.: Vögel. A. Laubmann, 865; 2.: Fische. E. Zugmayer; 3.: Mollusken. A. Weber, n., 865 ¶Map: Tektonische Kartenskizze westlichen Tianschan. F. Machatschek, n., 479

Tibbals, W. R.: see Merrick, G. B. TIBET: ¶Abor Expedition: Geo-

graphical Results. A. Bentinck, 631*; Antonio de Andrade, S. J. Een ontdekkingsreiziger in de Himalaya en in Tibet (1624-1630). C. Wessels, n., 624; Esquisse de la géographie et de la géologie des montagnes de l'Himalaya et du Thibet. S. G. Burrard and H. H. Hayden, 71*, Kostenwach, P. Hayden, 71*; Kartenwerk: Dr. A. Tafel, Reisen in China und Tibet. A. Penck, 870*; Results of the Abor Expedition. A. Bentinck, 447; Le Vers Népémakö. Tibet révolté. Terre promise des Tibétains. J. Bacot, rev., 536 ¶ Maps: Dr. A. Tafels Reise nach China und Tibet 1905-8, Sample Sheet, n., 559; Map to Illustrate Geographical Results of Abor Expedition, 1911-12. Bentinck, n., 396

TIDES. See also Currents: v. Sterneck: Über Die Gezeiten im westlichen Mittelmeer. A. Defant, 554*; Moxly's Theory of Tides with a Chapter of Extracts from Moxly's Original Work. J. F. Ruthven, 943*; On Recent Sea-Level Variation at the Italian and Austrian Mareograph Stations, and on the Cause of Messina-Reggio Earthquake of 1908.
F. Omori, 553*; Rival Tidal
Theories. J. F. Ruthven, 155*;
Time and Tide, a Romance of the Moon. Sir Robert S. Ball, n.,

145 Tierra del Fuego, Los indígenas de la

 R. Darbene, 148* Tikuna, Affinités du -. P. Rivet,

Tilby, A. W., 628* Tilho, J., Personal, 693

Timbuctu: ¶Altitude de quelques points de la région nord de Tombouctou. A. Brulard, 947*; Through — and Across the Great Sahara. A. H. W. Haywood, rev.,

TIME: Determination of Time, Longitude, Latitude and Azimuth. W. Bowie, rev., 701; International Zeitkonferenz zu Paris vom 15. bis 23. Okt., 1912. E. Kohlschüt-ter, 315*; Legal Time in Various Countries. M. Philippot, 393*; Projet d'organisation d'un service international de l'heure. C. Lallemand, 473*

Timm, F., 634*
Timor Is.: ¶Ethnologische Notizen über die Inseln Timor und Misol. J. Wanner, 948*; —; Its Supposed Volcano and its Probable Tectonic Relations. G. I. Adams, 231*

Tin. Bibliography of the Geology and Mineralogy of -. F. L. Hess and E. Hess, 635*

E. Hess, 635*
Tipveau, —, 631*
Tirol: ¶Brenner Pass, Tirol from
Kufstein to Riva. C. L. Clare,
rev., 696; Tirol, Vorarlberg und
Liechtenstein. K. W. v. Dalla
Torre, n., 865; Winter Südtirols. Eine klimatologische und physiologische Studie. M. Kuntze, 73*

Tirreno, Esperienze sulle corrente nel —. G. Dainelli, O. Marinelli and

G. Stefanini, 951*

Tissot, V., 465 Titicaca: ¶A Geographical Sketch of , the Island of the Sun. H. E. Gregory, 561, Bibliography, 575* Titteri, Esquisse géologique et tectonique du —. (Map), n., 156 Tittmann, O. H., 69*; Personal, 693

Tobler, F., 943

Astron. und geodät. TOGO: Arbeiten der deutschen Abteilung der deutsch-französ. Grenz-expedition . . . nebst den Resultaten der telegraphischen Längen-übertragungen zwischen Addah und Lome sowie zwischen Lome und Agome Palime. L. Ambronn, 868; Ergebnisse der Regenmessungen im Schutzgebiete Togo, 1911, 150*; Jahres-Landeskulturanstalt bericht der Nuatja für die Zeit vom 1. April 1911 bis 31. März 1912. Sengmüller, 630*; Meteor. Beobachtungen aus Togo. P. Heidke, 150*; Produk-tion der Eingeborenen des Bezirkes Sokode-Bassari, K. Gaisser, 150*; Strassenverhältnisse im Schutzgebiet Togo, 631*; Togobahnen und Landungsbrücke in Lome (Deutsch Kolonial-Eisenbahn-Bau, und Betriebs-Gesells.), 629*; Untersuchungen über die Natur der Harmattantrübe, 631*; Weitere Beiträge über die Ölpalme im Bezirk Misahöhe. Gruner,

Tokio, New Express Service between - and Peking, 927

Toll, Baron E. von, Memorial to, 853 Tolman, C. F. Jr., 477

Tomlinson, H. M., 295

Tonge, Th., 863

TONKIN: ¶ Hautes régions du Tonkin et provinces chinoises limi-trophes. Races, moeurs, et coutumes des populations. Tipveau, 631*; Irrigation dans le delta du Tonkin. Ses conditions géographiques. E. Chassigneux, 71* ¶ Maps: Croquis schématique des irrigations derivées du

Song-cau, 319*; Zones d'irrigation dans le delta du Tonkin, 319* TOPOGRAPHY: ¶Cours primaire de géographie appuyé sur la topographie, 875*; Course in Topographic Mapping, 451; Effect of Topography and Isostatic Compensation upon Intensity of Gravity. W. Bowie, rev., 62; Guida Ensemplificata per Calcoli di Topografia. G. del Fabro, 943*; Principles of Topographic Delineation. F. E. Matthes, 368; Stereoskopische Messmethode in der Praxis. I. Teil: Einführung in die Topographie, etc. D. Seliger, 943*; Topographic, Trigonometric and Geodetic Surveying. Wilson, rev., 701

¶La topologia secondo Topology: una recente opera del generale Berthaut. L. F. de Magistris, 555* .Toponomy: see Geographical Nomen-

clature.

Torcy, Gen. de and Gen. Marmier, 718

Torii, R., 151*

Torres Straits: ¶ Reports of the Cambridge Anthropological Expedition to —. Vol. 4: Arts and Crafts, rev., 462

Torrey, B., 769 Totemism: ¶Denkart als Wurzel des Totemismus. R. Thurnwald, 474*

Toula, F., 471*
Touring in 1600. A Study in the
Development of Travel as Means of Education. E. S. Bates, rev., 223

Tower, —, Personal, 527
Tower, W. S., 388*, 881, 946*; Personal, 530, 930; see also Salisbury, R. D.

Towns, Geographical Factors controlling the Sites of —. J. W. Page, 394*

Townsend, C. H., 555*

Townsend, C. W., 622, 867*

Trade Winds: see under Winds.

Transactions of the American Geographical Society, 45, 131, 196, 285, 365, 442, 924

Transatlantic Route, Further Change in the -, 452

Transcaspian Territory: Track af Vegetationen i Transkaspiens Lavland. O. Paulsen, n., 66

Transeau, E. N., Personal, 620

Transportation, Map: ¶Principal Transportation Routes of World, n., 320

Transvaal, Province of: ¶Les Chinois sur le Rand. G. Paquot, 711*; Geology of the Murchison Range and District. A. H. Hall, 230* Transylvania: ¶ Morphologische Prob-leme aus Siebenbürgen. L. v.

Sawicki, 471*, 713*

Travel, History of: ¶Touring in 1600. A Study in the Development of Travel as a Means of Education. E. S. Bates, rev., 223

Treaties, International: ¶Collection Diplomatique. Statut International du Congo. P. Macey, Statut In-ternational des "Detroits" (Dardanelles, Bosphore, Mer Noir). P.

Macey, n., 549
Trees: The Secret of the —. E. Huntington, 783*; Versuche über die Periodizitat einiger Holzge-wächse in den Tropen. H. Dingler, 555*

Treidler, H., 949*

Tremearne, A. J. N., 390*, 935 Trenkó, G., 794*

Trieste: ¶Rapporto Annuale dello I. R. Osservatorio marittimo di Trieste contenente le osservazioni meteorol. di Trieste e di alcune altre stazioni Adriatiiche, 1908. E. Mazelle r., 705; Report for 1911-12 on the Trade and Commerce of -, 949*

Trigonometry and Stereographic Projections. S. J. Brown, 943*
Trinidad: ¶Some Impressions of the

Flora of Guiana and —. D. H. Campbell, 148*; Sanitation of —.

D. Thomson, 785*

TRIPOLI: see also Libya: ¶ Arabs. in Tripoli. A. Ostler, rev., 459; Improving Tripoli's Ports, 763; Italy's War for a Desert. F. McCullagh, n., 547; New Italian Colonies in Africa, 200; Railroads in -, 690; Recent Journey in Tripoli and Cyrenaica, 151*; Tripolitania, V. Nazari, n., 144; In —: Conquista Civile. G. Cottini, 942*; — e Cirenaica: Climatologia di Tripoli e Bengasi. F. Eredia, 313*; — e Cirenaica. F. Musoni, 313*; — Climatologia di Tripoli e Bengasi. F. Eredia, n., 144; En Tri-politaine. Voyage à Ghadamès. politaine. Voyage a Gnauames. Suivi des Mémoires du Maréchal 65*; Tripo... Verhältnisse. Ibrahim-Pacha, landwirtschaftliche G. A. R. Borghesani, 788 (Map: Sketch Map showing route followed by M. G. Rémond in Tripoli and Cyrenaica, n., 77 Tristan da Cunha: ¶Dans l'Atlan-

tique. Sainte-Hélène aux xviic et xviiie siècles, l'Archipel de Tristan da Cunha, etc. H. Dehérain, n., 305; L'occupation de — par la Grande Bretagne. H. Dehérain, 393*

TROPICAL HYGIENE: l'acclimatement de la race blanche of the Tropics, 785*; Medical Science and the Tropics. Sir Ronald Ross, 435; New Mosquito-Proof and Storm-Proof House for the Tropics. T. F. G. Mayer, 555*; Die Sanierung der Tropenländer. Alsberg, 714*

Alsberg, 714*
TROPICAL SEAS: ¶Die Halbtägige Oszillation des Luftdruckes über den tropischen Ozeanen. Henckell, 235*

TROPICS: ¶ Edaphische Wirkungen des Kalkes auf die Vegetation tropischer Karren und Karren felder. C. C. Hosseus, 235*; Geographische Verbreitung der Geographische Haus- und Nutztiere in ihrer Abhängigkeit vom Klima. R. Hennig, 714*; Geographische Verbreitung der verschiedenen Menschenrassen in ihrer Abhängigkeit vom Klima. R. Hennig, 714*; Die vom Klima abhängigen Schädlinge der Pflanzen- und Tierwelt sowie der Menschen. R. Hennig, 714*; Kolonial-botanik. F. Tobler, 943*; Landbauzonen der Kulturgewächse in ihrer Abhängigkeit vom Klima. R. Hennig, 714*; Lebensformen und Lebensweise der Tierwelt im trop-ischen Afrika. L. Waibel, 869*; Über die Plantagenboden und seine Düngung. E. Carthaus, 795*; Vegetationsformationen in ihrer Beziehung zum Klima. R. Hennig, 714*; Viehzucht in den Tropen und Subtropen. C. Schlettwein, 75* Trotha, T. v., 231*

Trowbridge, A. C.: see Salisbury, R. D.

Truffert, -, 869*

Trypanosome, Morphology of the causing Disease in Man in Nyasa-D. Bruce, D. Harver and land. Others, 230*

Tschamler, I. and Langer, R., 877 Tsingtau: ¶Witterung zu —, Dez. 1910 bis zum Nov. 1911, 948* Tuareg: ¶Les Touareg. Capt. Ay-

mard, rev, 774

Tucson, Ariz., Results of Observations made at the Coast and Geod. Survey Magnetic Observ. near - 1909 and

1910. D. L. Hazard, 466*
TUNIS: ¶Algérie-Tunisie (Guides Pratiques Conty), n., 464; Algérie-Tunisie. G. Jacqueton and S. Gsell, n., 464; Fountains in the Sand. Rambles among the Oases of Tunisia. N. Douglas, n., 225;

Tunis-Cont'd.

in Kolonialpolitik Französische O. Jöhlinger, 948*; élémentaire (Maroc, Tunesien. élémentaire Géographie Algérie, Tunisie). A. Gleyze, n., 941; Rétablissement des Communications économiques entre le Sud-Tunisien et le bassin du Tchad. Bourdarie, 869*; Traveller's Hand-book for Algeria and Tunisia, n., 704

Turgai, Hydrological Survey of the Lower Course of Irghiz and — Rivers. I. G. Zunturidi, 631* Turin, Report for 1912 on Industries

and Economic Condition of the Consular District of -, 951*

TURKESTAN: ¶Climate of Turk-

estan, 370

Russian Turkestan: Complete Catalogue of Astronomical Determinations of the Turkestan Military Districts and Adjoining Regions. (1867-1911). P. K. Zaleski, 232*; Duab of Turkestan. Physiographic Sketch and Account of Some Travels. W. R. Rickmers, rev., 534; Trockenkultur des Getreides in Turkestan, 631* ¶ Map: Tekton-ische Kartenskizze des westlichen

Tianschan. F. Machatschek, n., 479
TURKEY: ¶ New Field of Investigation in Europe, 136; Häfen der Europäischen Türkei an der Adria und im Ägäischen Meere, 392*; Home Life in Turkey. L. M. J. Garnett, n., 782 ¶ Maps: International Men. North & 25. Isternational Men. North & 25. Isternational Men. national Map. North K 35: Istambul (Constantinople), n., 160; Rückgang des türkischen Herrschaftsgebietes in Europa. Eight Maps accompanying "Auf- und Niedergang des türkischen Herrschafts-gebiets in Europa." N. Jorga, n., 399

Turkey in Asia: see under Asia. Tuscany: Aumento della popolazione toscana nel secolo XIX. G. Dainelli, 633*; La carta della Toscana di

Leonardo da Vinci. M. Baratta, 633*; Terreno fra le due Chiane, i Vulsini, la Costa Tirrena e l'Arno.

vuisini, la Costa l'Irrena e l'Arno. E. Barbarich, n., 782 Twenhofel, W. H., 520 Twitchell, R. E., 768 TYNE: ¶ The Tyne. A. J. Sargent, 74* ¶ Maps: Four Maps of Lower Tyne (reproduced from old maps): Chart of the Tyne. 1670. Chart of Chart of the Tyne, 1670. Chart of — 1705. Plan Collieries of — and Wear in 1787, Showing Wagonways, Chart of — 1853, 79*; Three sketch Maps of Lower Tyne district:

River Tyne at Newcastle, Distribu-tion of Population and Industries, Strategic Road Map, n., 79; Tyne from Admiralty Charts, 1909, 79* Tyrol: See Tirol.

Tyrrell, J. B., 623, 689, 706

Ubangi: ¶L' — et la Sangha. Leur valeur comme voies de communication, 710*

Ubangui: Compagnie Forestière San-gha-Oubangui. Origines, Méthodes, Travaux d'Aménagement etc., n.,

Udden, J. A. and D. M. Phillips, 626* Ufipa: ¶ Land und Leute. Ergebnisse einer in den Jahren 1908 und 1909 ausgeführten Forschungsreise, 150*

UGANDA: ¶Zum Berge Elgon. R. Stroch, 789*; Una Crociera sul Nilo. Khartum-Gondokoro. E. A. d'Albertis, n., 780; Frontière Anglo-Congolaise, 389*; Aux Sources du Nil par le chemin de fer de l'Ouganda. J. Leclercq, rev., 212; Uganda-Eisenbahn im Jahre 1912, 869*; ¶ Maps: Karte des Kraters vom Monte Elgon in Uganda. I. Tschamler and R. Langer, n., 877; Routenskizze der Rudolf Kmunke'schen Expedition in Uganda, n., 877; Survey of Anglo-German-Bel-gian Boundary Region by the British Commission under Command of E. M. Jack, n., 877

Uhry, A., 950* Umphrey, G. W., 233* Umpleby, J. B., 626*, 944* Underwood, F. M., 860

UNITED KINGDOM OF GREAT BRITAIN AND IRELAND: see also England, Ireland, etc.: ¶Agricultural Exports in 1912, 233*; British Isles. (Descriptive Geography from Original Sources). Selected by L. Jowitt, n., 386; Cambridge County Geographies, n., 465, 625; Handbook of Geography. Vol. 1, part 2. British Isles and Europe. A. J. Herbertson, rev., 222; Catalogue of War Office Library. Part 3. Subject Index, Compiled by F. J. Hudleston, n., 783; Englands Weltmacht in ihrer Entwicklung vom 17. Jahrhundert bis auf unsere Tage. W. Langenbeck, n., 465; Free Atmosphere in the Region of the British Isles, 315*; Geophysical Journal, 1911, Comprising Daily Values of Meteor. and Geophys. Elements Observed at Central Index

1063

United Kingdom, etc.-Cont'd. Observ. (Kew), etc., 874*; Great Western Railway. G. Home, n., 865; Handbook of Commercial Treatise, etc. Between Great Britain and Foreign Powers. Compiled and Edited by G. de Bernhardt, n., 782; Imports and Agricultural Produce in 1912, 233*; Manufactures of Agricultural Products, 794*; Ordnance Survey Maps, Their Meaning and Use, with Descriptions of Typical Sheets. M. I. Newbigin, n., 385; Photographic Supplement to Stanford's Geological Atlas of Great Britain and Ireland. H. B. Woodward and H. D. Sharpe, n., 705; On Radiation Records Obtained in 1911 at South Kensington Together with a Comparison Between Them and the Corresponding Absolute Observations of Radiation Made at Kew Observatory. R. Corless, 392*; Sound-Phenomena of British Earthquakes. C. Davison, 953*; Vertical Temperature Distribution in the Atmosphere over England, with some Remarks on General and Local Circulation. W. H. Dines. 315*; 7th Annual Rept. of Meteor. Comm. for year ended March 31,

1912, 74* UNITED STATES: ¶Awakening of the Desert. J. V. Birge, rev., 454; Attraverso gli Stati Uniti. E. Mayor des Planche, rev., 455; Classification of Public Lands. G. O. Smith and Others, 467*; Different West as Seen by a Transplanted Easterner. A. Bostwick, rev., 769; Geysers. W. H. Weed, 784*; Government of American Cities. W. B. Munro, rev., 292; Jungvulkanische Erscheinungen in den westlichen Gebirgen der amerikanischen Union. F. Machatschek, 367*; Land Magnetic Observations, 1905-1910. L. A. Bauer, 625*; Lighting the Coasts of the -. G. R. Putnam, 388*; Metric System in all Its Details Compared with American Weights and Measures. H. G. Bayer, n., 782; The New Power Zone. G. W. Barr, 944*; Our Pacific Northwest. N. H. Darton, 310*; Our Vanishing Wild Life, Its Extermination and Preservation. W. T. Hornaday, rev., 532; Researches by Desert Laboratory, 614; Relation of Forests in the Atlantic Plain to the Humidity of Central States and

Prairie Region. R. Zon, 867*; Seismological Society of America, 784*; The Southwest: Its Splendid Natural Resources, Agricultural Wealth and Scenic Beauty. N. H. Darton, 310*; Transcontinental Excursion of the Amer. Geog. Soc. A. P. Brigham, 310*; Escursione geografica transcontinentale 1912 negli Stati Uniti d'America. C. Calciati, 625*; Escursione trans-continentale organizzata dalla American Geog. Soc. G. de'Luigi, 626*; Photographs taken by Members of the —, 613; Some Printed Results of the —, 613; Transkontinentale Exkursion der Amer. Geog. Gesellschaft. J. Partsch, 626*; United States as World Power. A. C. Coolidge, rev., 622 ¶ Agriculture: Agriculture. Statisties 13th Census of the U.S., 1910; Stat. for State and Its Counties. Abstracts— Farms and Farm Property, General Crops, etc., 147*; Abstract of the Thirteenth Census, 444; Abstracts by States— Farm Crops, Live Stock, etc., 228*; Agriculture: By States. 1910, 228*; Reports by States, 1909-10. Alabama-Montana, 708*; Nebraska-Wyoming, Alaska, Hawaii, and Porto Rico, 867*; Alfalfa Farming in America. J. E. Wing, rev., 532; Besiedlung und Anbau im Pazifischen Nordwesten der V. Staaten. O. Reiche, n., 863; Cotton Production 1912, 867*; Supply and Distribution of Cotton for Abstracts- Farms and Farm ton Production 1912, 867*; Supply and Distribution of Cotton for year ending Aug. 31, 1912, 229*; Facts and Fiction about Crops. C. G. Hopkins, 367; Field Operations of the Soils, 1910. (12th Report.) M. Whitney, 784*; Irrigation and Alkali in the U. S., 286; Present Outlook for Irrigation Ferming. C. S. Seefield, 75*; Off. Farming. C. S. Scofield, 75*; Official Proc. of the 14th Nat. Irrigation Congress, 1906, 311*; — of the 15th Nat. Irrigation Con-gress, 1907, 311*; Official Report of Irrigation Congress held in 1891, 311*; Resolutions of the 20th Intern. Irrigation Congress, 69*; Sugar at a Glance. Influence of Sugar-Beet Culture on Agriculture, and Its Importance in Relation to National Economics. T. G. Palmer, 387*; Trockenfarmen im Westen der Vereinigten Staaten von Nordamerika und seine wirtschaftliche Bedeutung für Erschliessung regenarmer Gebiete.

United States—Cont'd.
G. Plehn, n., 623; Weather Bureau and the Cranberry Industry. H.
J. Cox, 146*, 445 ¶ Fisheries: Annual Report . . Fisheries, for Year ending June 30, 1911, 148*; Fishing Banks off our Atlantic Coast. G. C. Curtis, 413; Fresh Water Sponges and Particularly Those of —. A. M. Kirsch, 707*

4 Forests and Forestry: Forest
Fire Protection under the Weeks
Law in Cooperation with States. J. G. Peters, 68*; Forest Fires and Forestry in Southern States. H. H. Chapman, 146*; Forestry, a Fundamental Industry. G. Pinchot, 155*; Geography in the U.S. Forest Service, 760; Growth and Management of Douglas Fir in Pacific Northwest. T. T. Munger, 68*; Identification of Economic Woods of the —. S. J. Record, rev., 53; Illustrated Key to Wild and Commonly cultivated Trees of Northeastern - and Adjacent or Northeastern — and Adjacent Canada. J. F. Collins and H. W. Preston, n., 65; Lightning in Rela-tion to Forest Fires. F. G. Plum-mer, 387*; Methods of Increasing Forest Productivity. E. E. Carter, 67*; National Forests and Live Stock Industry. L. F. Kneipp, 311*; Principles of American Forestry. S. B. Green, rev., 532; Reproduction of Western Yellow Pine in the Southwest. G. A. Pearson, 68* **Q Geography**: Decisions of the U. S. Geographic Board, 229*, 388*, 467*, 708*, 867*; Geography by Grades. Grade 5A: North Americal Grade 5A: North American Gr 5B: United ica, United States. States. 6B: United States and its Dependencies. H. B. Niver and E. D. Farrell, rev., 220; Geological Publication for Students, 687; Publication for Students, 687;
Phyto-Geographical Excursion in the —. H. C. Cowles and F. E. Clements, 45, 615 **q History**:
American Heroes from History.
I. N. McFee, n., 863; Colorado River Campaign 1781-82. Diary of Pedro Fages. Ed. by H. I. Priestley, 783*; Economic Beginnings of the Far West: How was wan the Land beyond the Priestley, 783*; Economic Beginnings of the Far West: How we won the Land beyond the Mississippi. K. Coman, rev., 531; Economic Interpretation of Constitution of the —. C. A. Beard, rev., 770; The Framing of the Constitution of -. M. Farrand, n., 779; Edward Fitzgerald Beale. Pioneer in the Path of Empire. 1822-1903. S. Bonsal, n., 65; His-

tory of the People of - from Revolution to the Civil War. J. B. McMaster, n., 941; Letters from an American Farmer. J. H. St. John de Crèvecoeur, Introduction John de Creveceur, Introduction and Notes by W. B. Blake, rev., 931; Lives of the Presidents of —, E. S. Ellis, n., 863; Lowery Compilation of Early American Maps, 198; Naval History of American Revolution. G. W. Allen, rev., 769; Retrospection: Political and Personal. H. H. Bancroft, rev., and Fersonal. It. It. 2224; Smuggling at the Outbreak of the Revolution with Special Reference to the West Indian Reference to the West Indian Trade. W. S. McClellan, n., 307 ¶Indians: See Indians, N. American. Industries and Commerce: The Leather Industry, Production by Grades and Locality, Foreign Trade of Principal Countries, Abnormal Increase in Demand. J. J. Mac-Farlane, 311*; Foreign Commerce and Navigation, for Year ending June 30, 1911, 148*; Report for 1912 on the Trade, etc. of Various Consular Districts, 867*; 26th An-nual Report of Interstate Commerce Commission, 1912, 708*; Relation of — to the World's Beef Supply. H. W. Mumford and L. D. Hall, 147* ¶ Manufactures: Statisy Manuactures: Statistics for 1909 (13th Census of the U. S., 1910. Reports by States, 229*; General Report and Analysis, 944* ¶Meteorology: Annual Rainfall and Temperature of —, 198; Free Air Data above Mt. Weather for April, May and June, 1912. W. R. Blair, 310*; Frost Protection w. A. Blain, 310, 1 Problem of the United States, 285; Monthly Weather Review, Vol. 40, 1912, 388*; Neurasthenia and Climate in — J. M. Taylor, 445; A New Snowfall Chart. C. F. Brooks, M. W. Harrington and A. J. Henry, 687. Securial of C. F. Brooks 687; Snowfall of —. C. F. Brooks, 707*; Report of Chief of Weather Bureau 1911-12, 549* ¶ Minerals and Mining: Coal. E. W. Parker, 311*; Coal and Lignite, 229*; Coal Production in 1912, 761; Coke. E. W. Parker, 311*; Copper, 1911. B. S. Butler, 466*; Enrichment of Sul-phide Ores. W. H. Emmons, 625*; Gems and Precious Stones. D. B. Sterrett, 311*; Gold, Silver, Copper, Lead and Zinc in the Eastern States in 1911. H. D. McCaskey, 467*; Gold, Silver, Copper, Lead and Zinc in the Western States, 1911, 467*; Graphite. E. S. Bastin, 310*; Iron

United States-Cont'd.

Ore, Pig Iron, and Steel, 1911. E. F. Burchard, 466*; Lead, 1911. C. E. Siebenthal, 467*; Lime. E. F. Burchard, 310*; Mineral Resources of the U. S. 1911: Part 1. Metals, 467*; Part 2. Nonmetals, 311*; Natural Gas. D. T. Day, 310*; Nitrate Deposits. H. S. Gale, 146*; Petroleum. D. T. Day, 310*; Petro-leum and Natural Gas, 229*; Petroleum Production in 1912, 761; Slate. A. T. Coons, 310*; Stone. E. F. Burchard, 310*; Zinc, 1911. C. E. Siebenthal, 467*; First Ann. Rept. of Director of Bur. of Mines, June 30, 1911, 69*; Mining Industry in 1911. A. H. Brooks, 387* ¶Popu-lation and Race Problems: Abstract of the Thirteenth Census, 444*; Population. Composition and Characteristics 13th Census of the U. S., 1910, 467*, 708*; Population: Abstracts: Color or Race, Nativity, Parentage and Sex; Age and Marital Condition, State of Birth of Native Population; Country of Origin of Foreign Population and Year of Immigration, School At-tendance and Illiteracy, Census, 1910, 467*; Biological Status and Social Worth of the Mulatto. H. E. Jordan, 707*; Negro in Country Life. J. Davis, 228*; A Short Story of the American Negro. B. G. Brawley, rev., 931; Ultimate Solution of American Negro Problem. E. Eggleston, rev., 931; Veränderungen der Körperformen bei Nachkommen der Einwanderer in den Vereinigten Staaten. H. Fehlinger, 944* Public Documents: Catalogue of Public Documents of the 60th Congress and all Departments of the Government of - from July 1, 1907 to June 30, 1909, 69* Reclamation and Conservation: National Aspect of Reclamation of Swamp and Overflowed Lands. E. T. Perkins, 549*; List of National Park Publications, 784*; National Reservations for Protection of Wild Life. T. S. Palmer, 68*; Our National Bird Reservations. T. S. Palmer, 783*; Publications of Fauna of National Reservations, 69*; 11th Annual Report of Reclamation Service 1911-12, 549* ¶ Smithsonian Institution: Ann. Report, Smithsonian Institution, June 30, 1911, 626*; Explorations and Field-Work of the Institution in 1912, 784*; Proc. of the United States National Museum, 1912, 468*; 28th Ann. Report of Bur. Amer. Ethnol. 1906-7, 708* ¶ Statistics: Abstract of the Thirteenth Census, 444; Statistical Abstract of —, 1912, 626* ¶Transportation: Bulletins of Revenues and Expenses of Steam Roads, from Jan. to Dec., 1912, 467*; Deep Waterway. Between the Great Lakes and the Gulf of Mexico, n., 65; Genesis of Steam Navigation on Western Rivers. G.B. Merrick and W. R. Tibbals, 68*; Lakes-to-the-Gulf Deep Waterway. W. A. Shelton, rev., 621; List of References to Publications Pertaining to Government Ownership of Railways, 784*; National Water-ways Commission, [From Final Re-port], 197; Public Roads are Public Necessities. J. H. Pratt, 467*; Prel. Abstract of Statistics of Common Carriers for Year ending June 30, Carriers for Tear ending June 30, 1912, 709*; Railway Library Statistics, 1911. Compiled by S. Thompson, n., 145; Strip Maps of the "Seminole Trail" North and South Automobile Route, n., 779 QU. S. Coast and Geodetic Survey: Adoption of North American Datum. W. Bowie, 614; Ann. Report . . . Coast June 30, 1912, 549*; Report . . . Coast and Geodetic Survey. Progress of Work, July 1, 1910 to June 30, 1911, 69*; Determination of Time, Long., Lat. and Azimuth. W. Bowie, rev., 701; Geodetic Operation of the U.S. 1000 1010, (Park) tions in the U.S. 1909-1912, (Rept.) O. H. Tittmann, 69*; Results of Observations at Magnetic Observatory at Cheltenham, Md., 1911-12. D. L. Hazard, 944*; — near Hono-lulu, 1909 and 1910. D. Hazard, 153* QU. S. Geol. Survey: Ad-Inlu, 1909 and 1910. D. Hazard, 153* QU. S. Geol. Survey: Advance in Price of Topographic Sheets, 46; Fire in the Geological Survey Building, 522; New Building for the —, 366; Surface Water Supply of the U. S.: Great Basin, Part X, 1912. E. C. La Rue, F. F. Henshaw and E. A. Porter, 69*; North Atlantic Coast. C. C. Babb, C. C. Covert and R. H. Bolster, 228*, 310*; North Pacific Coast. 1910: Part XII, Paper 292, 1913. F. F. Henshaw, E. C. La Rue, and G. C. Stevens, 707*; Paper 314, 1913. F. F. Henshaw and G. L. Parker, 707*; Publications of the U. S. Geological Survey, 867*; Re-U. S. Geological Survey, 867*; Results of Triangulation and Primary Traverse for the Years 1909 and

United States-Cont'd.

1910. R. B. Marshall, 235* QWar Dept., Reports: Ann. Report, Mississippi River Commission for Year ending June 30, 1912, rev., 291; Report of Chief of Engineers, U. S. Army, June 30, 1912, 709* ¶ Maps: See also under Separate States: Map of Earthquake Features of the New Madrid District. M. L. Fuller, n., 395; Map showing Condition of Astronomic Location and Primary Control to Jan. 1, 1911, n., 636; Orographical Reduced Survey Map of the - and Part of Canada. J. G. Bartholomew, n., 155; U. S. Coast and Geodetic Survey Charts, 75, 316; U. S. Geological Survey Maps, 316, 395, 475, 555, 635, 715, 795, 955

University Museum, (Philadelphia,) The Amazon Valley to be Explored

by the, 369 Unstead, J. F. and Taylor, E. G. R., 64, 221

Unterberger, P. F., 632* Upham, W. and Dunlap, R. B., 69* Upsala, Bulletin Mensuel de l'Observatoire Météorologique de l'Université d' -. F. Åkerblom, 472*

Ural Mountains, Revival of Mining in the -, 371

URUGUAY: ¶Anuario Estadístico . . . del Uruguay. Censo General en 1908, 149*; Commerce of Uruguay for 1911, 551*; General Descriptive Data prepared in June, 1912, 551*; Notes on Uruguay and Chile. W. H. Koebel, rev., 770 RUNDI: ¶Die Urundi-Ruanda-

URUNDI: bahn. M. Moisel, 869*

Usu-san Eruption and the Earth-quake and Elevation Phenomena, II. F. Omori, 712* UTAH: ¶Coal Fields in Uinta and

Wasatch Counties. C. T. Lupton, 68*; Local Climates in Utah, 445; Population. Composition and Characteristics, 13th Census of the U. S., 1910, 708*; Statistics of Agriculture, Census 1910, 228* ¶Maps: Clason's Industrial Map of the State of Utah. Economic Features by R. Forrester, n., 478; Geologie Map and Sections of Mining Districts of San Francisco Region. W. M. Beaman, F. Mc-Laughlin, B. S. Butler, n., 795; Partie Nord-Ouest de l'Utah, n., 636; Randolph Quad., n., 316; Tintic Mining District, 956*

Uti-Krag, Algunas Indicaciones sobre los - del Rio Doce. W. Knoche, 786*

Vaccari, A.: see Béguinot, A. Valencia: ¶Untersuchungen über den geologischen Bau und die Trias in der Provinz —. R. Ewald, 782* Valentine, E. S., 465

Vallaux, C., 216 Vallée, F., 552* Vallée, L., 234* Vallentin, W., 55

VALLEYS: ¶Alter und Form der Täler. A. Hettner, 235*; Einfluss des Eises auf die Ausgestaltung der Hochgebirgstäler. A. Mahlke, 874*; Submerged River Valleys. R. M. Deeley, 794*

Valparaiso, The City of -. A. Hale, 709*

Vambéry, Arminius, Obituary, 857 Van de Wiele, C., 471* Van Der Veen, A. L. W. E., 473* Van der Ven, F. F., 152*, 791* Van Dyke, H. W., 209 Van Heek, J. G. B., 231* Van Loo, R., 630* Van Sertima, J., 229*

Vancouver Island, Southern —. C. H. Clapp, rev., 55, 360
Vardanian, G., 159
Vatter, J., and Barrié, G., 627*

Vatter, E., 799

Vaucluse, Géographie du Département de -. A. Joanne, 942* Vaux, G., Jr., 474*

Vecchi, A. V. (J. la Bolina), 145 Vegetable Fibers: ¶Weltproduktion von Pflanzenfasern ausser Baum-wolle 1908 bis 1912, 795*

Vegetation: see under Plants. Vegetational Cycles, Causes of —. H. C. Cowles, 874*

ENEZUELA: ¶ Cattle Industry of the Llanos. W. Lefferts, 180; Commerce of — for 1911, 551*; VENEZUELA: Commercio d'importazione e d'es-portazione del — 1911-12. C. F. Serra, 787*; Descripción Exacta de la Provincia de Benezuela. D. J. L. de Cisneros, n., 780; General Descriptive Data prepared in June, 1912, 551*; Report for 1912 on Trade and Commerce of Ciudad Bolivar, 787*; Report for 1911-12 on Trade of — and the Consular

District of Caracas, 946*
Vera Cruz: ¶Local Distribution of Reptile-Amphibian Fauna in S. — and Its Bearing on Origin of Savannahs. A. G. Ruthven, 760*; Report for 1912 on Trade and Commerce of the Consular District of

-, 868*

Verde River, Antiquities of the Upper - and Walnut Creek Valleys. J. W. Fewkes, 707*

Vermast, A., 466 Vermeule, C. C., 708* VERMONT: ¶Agriculture. Stat. of Farms, Crops, etc., Census 1910, 147*; Commercial Marbles of Western — T. N. Dale, 387*; Mineral Resources, 1911-12, 708*; Report of State Geologist on Mineral Indus-tries and Geology of Vermont, 1911tries and Geology of Vermont, 1911-12, 709*; Rill-Channels and Their Cause. Rock-Surface Character of Glacial Origin. G. H. Hudson, 707*; Strafford Quad. Hitchcock, 707* **q Map:** Woodstock Quad., 956*

Vernet-les-Bains, Perpignan, Le Canigou, La Cerdagne. (Guides Joanne). Em. Semence, 942*

Versluys, J., 386 Vespucci, Amerigo: ¶Americ Vespuce. L'attribution de son nom au nouveau monde. H. Vignaud, 634*; Americ Vespuce, ses voyages et ses découvertes devant la critique. H. Vig-

naud, 635*

VESUVIUS: ¶Karten des Eruptionskegels des Vesuv und des Vesuvkraters. I. Friedlaender, 232* ¶ Maps: Eruptionskegel des Vesuv. Aufgenommen und gezeichnet im Aug. 1911 unter Benutzung der ital. von Fiechter aufgenommenen Genrealstabskarte von A. Castiglione im Auftrag und unter Leitung von I. Friedlaender, n., 79; Krater des Vesuv. Aufgenommen im August 1911. A. Castiglione im Auftrag und unter Leitung von I. Fried-laender, n.. 79; Erratum, 320

Vetters, H., 73*

Vialay, A., 309
Viana, F. V., 388*
Vietoria: ¶Contribution to Bibliography of the Economic Geology of Victoria to the end of 1903. W. Gregory, 712*; Report on Discovery of Auriferous Quartz . . . in New Chum Railway Mine, Bendigo. E. J. Dunn, 712*; Results of Rainfall Observations made in - during 1840-1910, rev., 214; Victorian Year-Book, 1911-12. A. M. Laughton, 791*; Work of M. Flinders in Port

Phillip. T. W. Fowler, 949* Victoria Institute or Philosophical Society of Great Britain, Journal of Transactions of — Vol. 44, 233* Victoria Island: ¶ — and the Sur-rounding Seas. V. Stefansson, 93

Victoria Nyanza: From the - to the Kisii Highlands. F. Oswald, 389*; Victoria Nyanza e Benadir. E. A. d'Albertis, n., 780; ¶ Map: Map of District between Victoria Nyanza and the Kisii Highlands. F. Oswald, n., 396

Vidal de la Blache, P., 954* Vienna: ¶Seismische Registrierungen in Wien im Jahre 1910. R. Schneider,

314*

Vignaud, H., 310*, 634*, 635*, 875* Vigoni, P., 552*

Villey, P., 528 Vinci, Leonardo da, La carta della Toscana di —. M. Baratta, 633* Vineland, L'énigme du -. C. de la

Roncière, 875 VIRGINIA: ¶Geology of the Gold Belt in the James R. Basin. S. Taber, 944*; List of Manuscripts Relating to History of Agriculture in — collected by N. F. Cabell. E. G. Swem, 388*; Physiography and Geology of the Coastal Plain Province of —. W. B. Clark and B. L. Miller, 866*; Population. Com-B. L. Miller, 800°; ropulation.
position and Characteristics, 13th
Consum of the U. S. 1910, 708*; Census of the U.S. 1910, 708*; Report for 1912 on the Trade, etc., 784*; Underground Water Resources of the Coastal Plain Prov-S. Sandford, 867* ince of -. ¶ Maps: Chincoteague Inlet to Hog Island Light, 76*; Fenwick Island Light to Chincoteague Inlet, 76*; Geological Map of Virginia. T. L. Watson, n., 237 Visher, S. S.: see Perisho, E. C.

Visser, M. W. de, 942*

Vitcos, the Last Inca Capital. Bingham, rev., 533 Viteau, P., 627*

Vladimirov, K. N., 232*

Vladivostok, Report for 1911 on the Trade of — and District, 791* Vogt, T., 714* VOLCANOES AND VULCAN-

OLOGY: ¶Colima in Eruption, 446; Entwurf von Höhenschicht-linien der mittleren Vulkanregion Nikaraguas. K. Sapper, 945*; Erupción volcánica del Chinyero (Tenerife) en Nov., 1909. L. F. Navarro, 628*; Floating Islands of Halemaumau. F. A. Perret, 391*; G. G. Curtis's Naturalistic Model of Kilauea Crater, 366, 688; Lava Fountains of Kilauea. F. A. Perret, 391*; Subsidence Phenomena at Kilauea in the Summer of 1911. F. A. Perret, 712*; Karten des Eruptionskegels des Vesuv und Eruptionskegels des Vesuv und des Vesuvkraters. L. Friedlaender, 232*; Katmai Eruption.

Volcanoes, etc.—Cont'd.
Clark, 944*; Recent Eruption of
Katmai. G. C. Martin, 467*; Der
letzte Vulkan in Samoa. L. Imhoff,
553*; Matavanu auf Savaii. K.
Sapper, 553*; Nachklänge zum Matavanú-Ausbruch. K. Sapper. 72*; Nuevos datos sobre el volcán 72"; Nuevos datos sobre el volcan Chinyero (Tenerife). L. F. Navarro, 628"; Taal, Asama-Yama and Kat-mai. A. G. McAdie, 714"; Timor Island; Its Supposed Volcano and Its Probable Tectonic Relations. G. I. Adams, 231"; Volcanic Dust and Other Factors in the Produc-tion of Climatic Changes and Their tion of Climatic Changes and Their Possible Relation to Ice Ages. W. J. Humphreys, 852; Volcanic Eruptions, Atmospheric Transparency and Temperature. C. G. Abbot and F. E. Fowle, 766; Volcanice and Climate. C. G. Abbot and F. E. Fowle, 473*; Volcanic Outbursts near Mt. Hecla, 765; Der vulkan-ische Ausbruch im Norden des Kiwu-Sees 4. Dez. 1912 bis 2. Jan. 1913. Schumacher, 869*; Vulkane einst und jetzt (Aus der Vorzeit der Erde). F. Frech, 380; Vulkanologische Studien auf einigen Inseln des Atlantischen Ozeans. Teil 2. Der Strytur, ein isländischer Lava-vulkan. M. v. Komorowicz, 872* ¶ Maps: Entwurf von Höhenschichtlinien der mittleren Vulkanregion Nicaraguas. K. Sapper, n., 716; Karte des Kraters vom Monte Elgon in Uganda. I. Tscham-ler and R. Langer, n., 877; Eruptionskegel des Vesuv. Aufgenommen . . unter Benutzung der ital . . . Generalstabskarte. A. Castiglione and I. Friedlaender, n., 79; Krater des Vesuv. Aufgenommen Aug. 1911. A. Castiglione and I. Friedlaender, n., 79 Volk, K. G., 466

Vosburgh, —, Personal, 527
Vose, E. N., 945*
VOYAGES, EARLY: ¶ Le dernier
voyage de Joseph Martin à travers
la Chine et l'Asie Centrale (188992). A. Allemand-Martin, 231*;
Early Voyages Up and Down the
Mississippi, by Cavelier, St. Cosme,
Le Sueur, Gravier and Guignas.
Notes, etc., by J. G. Shea, rev., 207;
Kurs der Magellanschen Flotte
durch die indische Inselwelt auf
der ersten Erdumseglung 1519-22.

Vollrath, P., 714* Vorarlberg, ¶Tirol, —, und Liechtenstein. K. W. v. Dalla Torre, n., 865 O. Koelliker, 231*; New Account of East India and Persia being Nine Years' Travels, 1672-1681. J. Fryer, n., 308; Periplus of Hanno. A Voyage down West African Coast by Carthaginian Admiral of Fifth Century, B. C. Transl. by W. H. Schoff, rev., 296; Premier Voyage du Sieur de la Courbe fait à la Coste d'Afrique en 1685. P. Cultru, rev., 775; Voyage à la Chine au xviiie siècle: Journal de bord de M. Bouvet, 1775-66. H. Cordier, 870* ¶Maps: Itinéraire de Jan de Herder d'après Dapper et d'Anville, n., 318; — restitué d'après les cartes modernes, n., 318

W

Wacker's (C. H.) Manual of the Plan of Chicago. Municipal Economy. W. D. Moody, n., 225 WADAI: ¶Abéché, capitale du Ouadaï. I. Ferrandi, 389*; Aperçu

WADAI: ¶Abéché, capitale du Ouadaï. I. Ferrandi, 389*; Aperçu géographique et géologique de la région ouaddaïenne, 1910-11. E. Arnaud, 312* ¶Maps: Croquis géologique de la région ouaddaïenne. Capt. Arnaud, n., 479; Régions du Ouadaï et de l'Ennedi d'après les travaux les plus récents, etc., n., 157 Wagner, A. E., Balthaser, F. W. and

travaux les plus récents, etc., n., 157
Wagner, A. E., Balthaser, F. W. and
Hoch, D. K., 863
Wagner, G., 474*, 794*
Wagner, H., 235*
Wagner, P., 155*
Wahnschaffe, E., 950*
Waibel, L., 555*, 710*, 869*
Waite-Brown, F.: see Gross, A.
Walcott, C. D., 709*, 945*

Walcott, C. D., 709*, 945*
WALES: ¶Geology of South Wales
Coalfield. Part 3: Country around
Cardiff, with geological bibliography of South Wales and Monmouthshire. A. Strahan and T. C.
Cantrill, 392*; Land und Volk von
Wales. G. Schoener, 794*; Transport Facilities in the Mining and
Industrial Districts of South — and
Monmouthshire. C. S. Howells, n.,
226

Walker, G. T., 764
Wallachia: ¶Sur les mouvements du
sol et la formation des vallées en
Valachie. E. de Martonne, 472*
Walla Walla, From Missoula to — in
1857 on Horseback. F. H. Woody,

69*
Walle, P., 457
Wallis, B. C., 218, 395*, 475*
Walsworth, — Personal, 528
Wang, Ching-Chun, 393*

(Tribu du Congo Wangata, Les -. Belge). Étude éthnographique. Lieut.

Engels, n., 780

Wanner, J., 948* Warber, G. P.: see Thompson, C. W.

Ward, F. K., 870*

Ward, L. K., 712*

Ward, R. DeC., Personal, 530

Waring, G. A., 467*

Washburn, S., 933 Washington, City:

The Nation's Capital J. Bryce, 707*

Washington, George: ¶ Washington and the West. Being —'s Diary of Sept., 1784. Commentary upon the same by A. B. Hulbert, rev., 293

Washington, Mt.: see Mount Wash-

ington.

WASHINGTON, STATE: ¶ Geology and Water Resources of a Portion of South-Central Washington. G. A. Waring, 467*; Report for 1912 on Trade and Commerce, 867*; Story of Three Olympic Peaks. E. S. Meany, 866*; California-Washington Arc of Primary Triangula-tion. A. L. Baldwin, 707*; History of Railroads in —. S. H. Lewis, 68*; From Missoula to Walla Walla in 1857 on Horseback. F. H. Woody, 69*; Population. Composition and Characteristics, 13th Census of the U. S. 1910, 708*; Prel. Rept. on Tertiary Paleontology of Western—. C. E. Weaver, 69*; Statistics of Agriculture, Census 1910, 228*; Summer Courses in Geography at Washington University, 620 Maps: Cedar Lake Quad., 956*; Drainage Map of Cowlitz R., n., 795; Map of Nisqually and Puyallup R. Drainage Basins, n., 795; Map of South-Central — Showing Locations of Wells and Springs and Approximate Extent of Geologic Forma-tions, n., 716; Map of White, Green and Cedar R. Drainage Basins, n., 795

ATER AND WATER COURSES: ¶Arbeit des flies-WATER WATER senden Wassers (Aus der Vorzeit der Erde). F. Frech, rev., 380; fitude sur la chute des sédiments dans l'eau. R. de Buen, 234*; Note sur l'évolution du lit des cours d'eau. J. Blach, 554*; Grundwasser und Quellen: Eine Hydrologie des Untergrundes. H. Höfer, n., 309; Principe du mouvement des eaux souterraines. J. Versluys, n., 386; Rational Use of Water in Irrigation. J. A. Widtsoe, 394*; Trinkwasserversorgung primitiver Völker. A. Haberlandt, 154*

Watkins, A., 69* Watson, C. M., 234*

Watson, T. L., 237, 866; — and Watson, J. W., 708*

Watt, Mrs. S., 936 Wauters, A. J., 70*, 230*, 946*

Wavell, A. J. B., 374

Waves of the Sea and Other Water Waves. V. Cornish, rev., 699 Waziristan, From the Black Mountain

to —, Being Account of Border Countries . . . Tribes controlled by Northwest Frontier Province, etc.

H. C. Wylly, n., 308

WEATHER: see also Climate, Meteorology, etc.; ¶ Einfluss des Mondes auf das Wetter. G. Wagner, 474*, 794*; Forecasting Weather. W. N. Shaw, rev., 541; The Moon and the Weather. O. Klotz, 74*; Practical Hints for Amateur Weather Forecasting. P. R. Jameson, 227*; Weather Science. R. G. K. Lempfert, rev., 305; Weather and Weather Instruments, n., 306 orology, etc.; ¶ Einfluss des Mondes

Weathering: ¶Die periglaziale Fazies der mechanischen Verwitterung. W.

v. Lozinski, 473* Weaver, C. E., 69* Webb, C. M., 704

Weber, A., 865* Weddell Sea: ¶Another Expedition Going to -, 692 ¶ Maps: Reiseweg und Lotungen der Deutschen Antarktischen Exp. im Weddellmeer 1911/12, n., 560; Trift der "Deutschland" im Packeis des Weddellmeeres, 1912. n., 560; Vahsel-Bucht und ihre Umgebung im äussersten Süden der Weddell-See auf Grund der Originalaufnahmen der Deutschen

Antark. Exp., n., 399
Weed, W. H., 784*
Weedon, T., 72*
Wegemann, C. H., 873*

Wegener, A.: see Koch, J. P.
Wegener, K., 72*
Weights and Measures, Metric System
in all Its Details Compared with American —. H. G. Bayer, n., 782 Weise, L., 398, 474*

eisskirchen: ¶Über eine neuent-deckte Höhle bei Mährisch-Weiss-Weisskirchen:

kirchen. R. Kowarzik, 713* Wellington, N. Z.: ¶ Notes on Wellington Physiography. C. A. Cotton, 72*; Recent and Sub-Recent Movements of Uplift and of Subsidence Near —. C. A. Cotton, 152* Welsch, J., 153* Wenninger, F. J., 795*

Werbata, J. V. D., 77 Werner, A., 389*

Werner-Bleines, -, 870*

Werner-Bonne-Sanson Equal-Area Net as an Exercise for Schools. A. J.

as an Exercise 101 Ed. Potter, 393* Werner, E., 58 Wernicke, W., 553* Wessels, C., 151*, 624 Westaway, F. W., 546 Westerlund, F. W., 952* Westermann, W., 934

Western Australia: see under Australia

WEST INDIES: ¶ American Mediterranean. S. Bonsal, rev., 209; Conquest of the Tropics, 785*; Geography by Grades. 6A: West Indies, Central America, etc. H. B. Niver and E. D. Farrell, rev., 220; Hurricanes of the West Indies. O. L. Hurricanes of the West Indies. O. L. Fassig, 689, rev., 933; Our West Indian Neighbors. Islands of the Caribbean Sea, "America's Mediterranean," Picturesque Features, etc. F. A. Ober, rev., 295; A United West Indies. C. G. Murray, n., 863, Man: National Geogr. Mag. Map of Cuba, Porto Rico, etc., n., 956

British West Indies: The British West Indies. History, Resources, Progress. A. E. Aspinall,

rev., 933

Danish West Indies: @Report for 1912 on Trade of the Consular District of St. Thomas and St. Croix, 945*

Westphalia: ¶Zur Geschichte des Pheinisch-Westfälischen Katasters. J. J. Vorlaender: Ein Vorkämpfer des preussischen Vermessungswesens. A. Pfitzer, 472*

WEST VIRGINIA: Population. Composition and Characteristics, Census of the U. S. 1910, 708*; Report for 1912 on the Trade, etc., 784* ¶Maps: Beckley Quad., n., 956; Iaeger Quad., n., 316; Logan Quad., n., 956; Louisa Quad., n., 316; Logan Quad., n., 956; Williamsport Quad., n., 316
Weule, K., 309
Wheat: ¶A Grain of Wheat. R. Chodat, 154*
Wheeler, A C. 200* 540*.

Wheeler, A. O., 229*, 549*; — and Parker, E., 855 Whetham, W. C. and C. D., 783*

Whitbeck, R. H., 475*, 760*, Personal 527, 619. 620 White, I. C., 784*, 785* White River Drainage Basin. F. F.

Henshaw and G. L. Parker, 466* Whitehouse, W. E.: see Fleure, H. J. Whitney, C., 56 Whitney, M., 784* Whitson, A. R. and Baker, O. E., 208,

Whymper, Edward: Alpinist of the Heroic Age. B. E. Young, 715*

Michita: ¶ Geology and underground waters of the — region, Tex. C. H. Gordon, 625*; Reconnaissance Report on Geology of the Oil and Gas Fields of Wichita and Clay Counties. J. A. Udden and D. M. Phillips, 626*
Wichmann A. 300, 704

Wichmann, A., 300, 704 Wichmann, H., 313* Widtsoe, J. A., 394*, 466, 542 Wiernik, P., 621

Wildeman, de, 946*

Wildeman, R.: ¶ De Wildeman-Rivier. F. F. Van der Ven, 152* Wilkes Land, D. Mawson's Expedition

to -, 137 Wilkitzky, Capt., Finds New Land North of Siberia, 929

Wilkman, W. W., 953* Willcocks, Sir William, 152* Willemaker, K.: see Goote, C.

Willers, T., 393*
Williams, F. W., 535
Williams, H. E.: see Crandall, R.

Williams, J. H., 140, 141
Williamson, R. W., 937
Willis, B., 139, 312*, 357; see also

Hrdlička, A. Willis, Consul, 231*

Wilson, E., 148*
Wilson, Routes of G. Taylor and —, (Map), 879*

Wilson, H. M., 701

Wilson, H. M., 701
Wilson, M. E., 626*
Wilson, W. N., Personal, 619
Wilson, W. P., Personal, 693
Wiman, C., 377
Winchell, N. H., 69*
Winchester, D. E.: see Woodruff, E. G.

WINDS: ¶ Fluctuations in the Trade Winds. J. S. Dines, 204; Some Long Period Fluctuations in the Trade Winds of the Atlantic. J. S. Dines, 234*; Régime des vents (France). A. Angot, n., 144; Föhnuntersuch-ungen im Ballon. H. v. Ficker, n., 227; Temperatur und Feuchtigkeit bei Föhn in der freien Atmosphäre. H. v. Ficker, n., 309; Great Erosional Work of Winds. C. R. Keyes, 555*; Le vent d'autan et ses rapports avec le marin. E. de Martonne, 632*; Windbeobachtungen in höheren Luftschichten Atlantischen und südlichen Stillen Ozeans, nach Pilotballonaufstiegen von Dr. H. Meyer, 1909 bis 1911. P. Perlewitz, 235* ¶Map: The Winds-Cont'd.

World: Pressure and Winds. (Oxford Wall Maps). A. J. Herbertson and B. V. Darbishire, n., 640

Wing, J. E., 532, 771 Winsted, H. L., 475* Winter, N. O., 548

Winthrop Spencer, J. W.: see Spencer, J. W. Winthrop.

Wireless Telegraphy: see under Teleg-

WISCONSIN: ¶Climate of — and its Relation to Agriculture. A. R. Whitson and O. E. Baker, rev., 208, 228*; Geographical Influences in the Development of Wisconsin. M. Dopp, 401, 490, 585, 653, 736, 831, 902; Population. Composition and Characteristics, Census 1910, 708*; Statistics of Agriculture, Census 1910, 228*; Summer Courses in Geography at Wisconsin University, 528, 620

Wisconsin Geographical Society, 761

Wissler, C., 234*, 549* Witherspoon, D. C., Giffin, C. E. and Others, 556, 635 Witkamp, H., 151* Witting, R., 66, 153*, 232*, 315*

Witwatersrand: ¶Les Chinois sur le Rand. G. Paquot, 711*; Water-Supply of the —. D. C. Leitch, n.,

624

Wolkenhauer, A., 303, 950* Wollaston, A. F. R., 376; —'s Work in Dutch New Guinea, 764

Wood, B. D., 467* Wood, H. O., 708* Wood, K. H.: see Laney, F. B.

Wood, L. H., Personal, 528

Wood, R. H., 69* Wood, R. K., 302 Wood, T. B., 706*

Woodman, -., Personal, 619

Woodruff, E. G. and Winchester, D. E.,

Woodward, H. B. and Sharp, H. D.,

Woodward, H. P., 470*
Woodworth, J. B., 715*; Personal, 619
Woody, F. H., 69*
Woolsey, T. S., 69*
Work, M. N. 944*
Workman, F. B., 151*, 290
WORLD: ¶ Elenco dei fari, fanali, segnali marittimi, etc., 873*; Über frühere Landbrücken, Pflanzen- und Völkerwanderungen zwischen Australasien und Amerika. H. Hallier, 633*; Gegenwärtiger Stand der magnetischen Vermessung der Erde durch die Carnegie Institution of Washington. L. A. Bauer, 872*;

Grolls Tiefenkarten der Ozeane. G. Schott, 873*; Hygiene im Weltverkehr. R. Pöch, 394*; Kultur der Urzeit. M. Hoernes, n., 706; From Pole to Pole. S. Hedin, n., 146; Sea Road to the East. A. J. Sargent, rev., 58; Thermal Regions of the Globe. A. J. Herbertson, 554; Zur Weltpolitik. C. Peters, n., 224; Weltproduktion von Pflanzenfasern ausser Baumwolle 1908 bis 1912, 795*; Wirtschaftsgeog-raphie in Verbindung mit Staats-bürgerkunde für kaufmännische Fortbildungsschulen. 3. T il: Weltwirtschaft. W. Becker, n., 227; World's Production of Silk in 1912, 714*; The World. Regional Geography. J. B. Reynolds, rev., 382; World's Trade in 1912. J. J. Macfarlane, 633* ¶ Maps: Atlas de Geografía Universal. Dispuesto por S. C. Fernández, n., 880; Atlas of the World. J. G. Bartholomew, n., 880; Eight Maps of mew, n., 880; Eight Maps the World on Mollweide's Pro-icetion: Mean Annual Temperature. Thermal Belts, Temperature Belts, Actual Temperatures, Jan., Actual Temperatures, July, Chief Thermal Regions of the World, Dis-tribution of Temperatures according to number of months over 10° C., Thermal Regions, n., 80; Eisenerzkarte der Erde nach dem Stande der Eisenerzforschung i. J. 1911.
M. Eckert, n., 960; Hammond's Comprehensive Atlas of the World, n., 800; Map of the World Showing Principal Wireless Telegraph Stations, n., 480; Photographic Reproduction of Cabot's Large World Map of 1544, n., 443; Maps accompanying "Die Schneegrenze in verschiedenen Klimaten," by V. Paschinger, n., 960; Principal Transportation Routes of the World, n., 320; Stand des Deutschen Seekartenwerkes, 1911, n., 640; Übersicht der erdmagnetischen Observatorien, 1913. K. Schering, 960*; Weltkarte der Funken- und Kabel-Telegraphie. O. von Lossberg and H. Behner, n., 240; The World: Natural Regions. Density of Population; Occupations (Oxford Wall Maps). A. J. Herbertson and B. V. Darbishire, n., 640; The World: Pressure and Winds (Oxford Wall Maps). A. J. Herbertson and B. V. Darbishire, n., 640; Zonenkarte von A. Supan, n., 639

Wright, C. W. and F. E., 716* Wright, F. E.: see Hrdlicka, A. Wright, G. F., 306 Wright, R. L. and Digby, B., 464

Wunder, L., 942 Wunderlich, E., 617 Wylly, H. C., 308

WYOMING: ¶Coal Fields of Wind R. Region, Fremont and Natrona R. Region, Fremont and Natrona Counties. E. G. Woodruff and D. E. Winchester, 69*; The Douglas Oil Field. C. E. Jamison, 147*; Muddy Creek Oil Field. C. E. Jamison, 147*; Salt Creek Oil Field. C. E. Jamison, 387*; Statistics of Agriculture, Census 1910, 228* ¶ Maps: Clason's Industrial Map of —. Mineral Resources by H. C. Beeler, n., 478; Esquisse tectonique du Parc du Yellowstone et des montagnes voisines, n., 716; Randolph Quad., n., 316

Yakutsk Region, Russian Peasants and the Settled Native Population of the —. L. I. Maïnov, 632*

Yamal Peninsula, Map: ¶Péninsule Yamal d'après les levés de l'expédition Jitkoff [Shitkov], 1908, n.,

Yanagisawa, Y., 151* Yangtse River: ¶Fahrten auf dem

oberen Yangtse, 151*
YEAR BOOKS: ¶American Statesman's Yearbook, 1912, 227*; Ann. du Gouvernement général de l'Afrique Occidentale Française, 1912, 788*; Ann. de la Martinique, 1912, n., 780; Hydrografiska Byrån Arsbok 3 för Ar 1911, 953*; Jahrbuch für Bremische Statistik, 1912: Zur allgemeinen Statistik, 1907-11, 392*, Schiffs- und Warenverkehr, 1912, 793*; — der Kgl. Preuss. Geol. Landesanstalt zu Berlin, 1908, 73*; for 1909, 950*; — der meteor., erdmagn., und seismis. Beobacht-ungen, 1910, 73*; Jahresbericht der k. böhmischen Gesell. der Wiss. 1912, 713*; — des Zentralbureaus für Meteorologie und Hydrographie . . . Baden, etc., 793*; Mexican Year Book, 1912, n., 225; Negro Year Book and Annual Encyclopedia of the Negro. M. N. Work, 944*; New Zealand Official Year Book, 1912, 465*; Official Year Book of New South Wales 1911, 712*; Russian Year-Book for 1912. Compiled by H. P. Kennard and N. Peacock, n., 144; Statist. Jahrbuch . . . Baden, 1912, 392*; Statist.

Jahrb. für das Deutsche Reich, 1912, 73*; Year-Book of Australia 1912, 73*; Year-Book of Australia for 1912, 72*; Victorian Year Book, 1911-12. A. M. Laughton, 791*
Yellow Fever, Walter Reed and —.
H. A. Kelly, n., 306
Yellowhead Pass, Mountains of the —.

A. O. Wheeler, 229* YELLOWSTONE NATIONAL PARK: ¶General Information Regarding —, 1913, 784*; Geologic History of the —. A. Hague, 783*; Yellowstone National Park. A. Hague, 625* ¶Map: Esquisse tectonique du Parc du Yellowstone et des montagnes voisines, n., 716 Yenisei River, Map: Basin of the

Upper Yenisei and Surrounding Regions. D. Carruthers, n., 559

Yentna District. S. R. Capps, 866* Yilgarn, General Description Northern Portion of — Goldfield and Southern Portion of North-Coolgardie Goldfield. H. P. Woodward, 470*

Yokoi, —, 712* Yorkshire, Examples of Printed Folk-Lore Concerning the East Riding of —. Coll. and Ed. by Mrs. Gutch, n., 386

VOSEMITE NATIONAL PARK:

¶General Information Regarding
—, 1913, 784*; Sketch of — and
Account of the Origin of Yosemite and Hetch Hetchy Valleys. F. E. Matthes, 147*

YOSEMITE VALLEY: ¶Sketch of Yosemite National Park and Account of the Origin of — and Hetch Hetchy Valleys. F. E. Matthes, 783*; Matthes's (F. E.) Lectures on Mt. Rainier, the Yosemite, etc., 367

Young, B. E., 715*

Young, E., and Fairgrieve, J., 219 Ypsilanti: Mich. State Normal Ypsilanti: ¶Mich. State Normal School, Geogr. at Summer Session,

YUCATAN: ¶Die Henequen-Kultur in Yucatan, 388*; Notes on a pre-historic race of —. R. W. Shufeldt, 627*; Preserving Mayan Ruins in -, 761; Report for 1912 on Trade of Consular District of -, 945*

Yukon Territory, ¶Map: Sketch Map of the Country Adjacent to N. Section of Boundary between Alaska and Canada. D. H. Nellas, n., 235

YUNNAN: ¶Le chemin de fer du Yunnan: Rôle nécessaire de notre commerce et de notre industrie. A. Legendre, 631*; Chemin de fer de Yunnan-Cont'd.

Yun-nan et l'expansion économique française dans la Chine occidentale. A. F. Legendre, 870*; Le Yunnan en 1912, 789*

Zakarjás, Johann, Reisebriefe der südamerikanischen Jesuitenmissionare

Language Lan Zietz, R., 225

Zimbas: ¶Les grands mouvements de peuples en Afrique. Jaga et Zimba. Origines des nations Fundji, etc. R. Avelot, 710* Zimmermann, M., see Parmentier, G.

Zollman, O., 465 Zon, R., 867*

Zoogeography: see under Geography. ZOOLOGY: Distribution géographique des animaux d'après l'Atlas de Bartholomew. L. Germain, 555*; Fifty Common Birds on Farm and Orchard, 875*; Die ökologischen Grundlagen der Tierverbreitung. R. Hesse, 874*; Le problème de l'Atlantide et la zoologie. L. Germain,

Zugmayer, E., 790*, 865* Zulus. The Story of the —. J. Y. Gibson, rev., 297 Zunturidi, I. G., 631*

Zwartkops, Some Notes concerning a Deep Bore at — near Port Elizabeth, and the Resulting Thermal Chalybeate Spring. G. W. Smith,

INDEX TO MAPS

NORTH AMERICA

Alaskan Glaciers in Relation to Life: ¶Map Showing Relationship of Bering R. Coal Field near Con-troller Bay to Bering and Martin R. Glaciers, Relationship of Copper

Alaska, Railroad Routes in -, 432

R. delta to location of town of Cordova, etc. (After U. S. Geol. Survey), facing p. 818; Miles, Childs, and Allen Glaciers in the Copper R. Canyon Showing Abercrombie and Baird Canyon Rapids, 807; Morainic Dam in Valley of Kenai Peninsula, Above which Auriferous Gravels have Accumulated in a Small Basin (After F. H. Moffit), 811; Part of Coast of Alaska Showing Mountain Barriers (After U.S.

Geol. Surv.), 802 Atlantic Coast, Fishing Banks off Our Atlantic Coast: ¶ Map of Continental Shelf between New York and Halifax, showing Fishing Banks, Terminal Moraine and Submerged Valley of the Hudson, between pp. 420 and 421; Map Showing General Distribution of the American North

Atlantic Fishing Banks, 415
California, Dwarf Forests of Southern —: Chaparral Region of S. Cal. facing p. 16.

Michigan, Some Geographic Influences in the Settlement of — and in the Distribution of Its Population: ¶ Average Size of Farms in 1904,

343; Distribution of Population, 1810, 1830, 1850, 1860, 331; — in 1870, 1880, 1890, 1900, 1910, 335; Distribution of Rural Population, in 1910, 344; Decrease of Popula-tion, 1900 to 1910, 339; Increase of Population, 1900 to 1910, 338; Relief Map of Michigan (after Jeffer-

son), 322 North America, The Anthropography ¶Annual Rainfall of North or: Mannual Rannan of North America in Inches, 163; Density of Population in North America: 1900, facing p. 166; 1910, fac-ing p. 166; Density of Popula-tion of the United States, in 1900, by Berghaus Grades, 177; Density of Population of the United States in 1900 by U. S. Census Grades, 178; Density of Population, in 1900, of Wisconsin, Michigan and Part of Illinois, 176; Number of People to the Square Mile in the Lesser Antilles, 164; Size of Cities, 1900,

Ohio River Floods of 1913: of Ohio and Indiana, Showing the Amount of Rainfall over the District During the Passage of the Two Storms of March 22-27, 1913, 500; Rainfall for March, 1913, 503; Departures from the Normal Rainfall for March, 1913, 505; Departures from the Normal for Jan.,

1913, 507

Ponce de Leon, The Track of - in 1513: Approximate Reconstruction of the Route of Ponce de Leon on His Voyage of Discovery of Florida, 1513, 722

Wisconsin, Geographical Influences in the Development of —: ¶General Geological Map of Wisconsin, 402; County Map of —, 407; Glacial Map of —, 405; Relief Map of —, 404; Michigan Territory in 1832, 592; Road Map of Wisconsin in 1851, 593; Distribution of Rail-roads in 1873, 601; Distribution of Railroads in 1880, 602; Distribuin 1800, 587; — in 1830, 588; — in 1840, 589; — in 1850, 591; — in 1860, 599; — in 1870, 600; — in 1880, 605; — in 1890, 606; — in 1900, 608; General Map of Native Vegetation of - from Atlas of Geol. Survey of Wis., 596; General Map of Soils of Wisconsin, 410; Average Value of Farm Land per Acre in 1899, 844; — in 1909, 845; Numbers of Dairy Cows per Square Mile of Farm Land in 1899, 840; in 1909, 841; Creameries, Cheese Factories, Skimming Stations and Condenseries, Jan., 1910, 909; Percentage of Improved Land in Wheat in 1899, 837; Change in Percentage of Land in Wheat from 1899 to 1910, 839; Percentage of Total Manufactures in Each County in 1899, 917

CENTRAL AMERICA AND WEST INDIES

Lesser Antilles, Number of People to the Square Mile in the -. Illustrates "Anthropography of North America," 164

Panama Canal, Sketch Map of the when Completed (Based on Map in Ann. Rept. Isthmian Canal Comm., 1912), 247

Ponce de Leon, Approximate Reconstruction of the Route of - on His Voyage of Discovery of Florida, 1513, 722

SOUTH AMERICA

Amazon Basin, Sketch Map showing Dr. Koch-Grünberg's Route in the Northern - and the Guiana Highlands, 1911-13, 665

Central, Andes, Prof. Bowman's Expedition to the —: ¶Route of Prof. Bowman's Expedition to the Central —, 1913; also routes he followed in 1907 and 1911, 349; Route in Northern Argentina and Chile, June-July, 1913, 751

Llanos, The Cattle Industry of the: ¶Sketch Map of the Llanos of Venezuela and Colombia, 181

Madeira-Mamoré Railroad, Geographical Aspects of the New —:

¶ Sketch Map of the Territory

Tributary to Madeira-Mamoré Railroad, 276

Patagonia, Sketch Map of Railroads in Northern —, based on map in the Geographical Journal, 358

South America, Notes on the Commercial Geography of: ¶Distribution of Foreign Commerce by Totals for each Republic in 1911, 890; Distribution of Three Main Classes of So. Amer. Exports, 895; Distribu-tion of Principal Sea and River Ports Classed According to Value

of Total Trade in 1911, 892
Titicaca, A Geographical Sketch of
—, the Island of the Sun: ¶Map
of Titicaca Island (Outline based on map by Bandelier), 562

AFRICA

Algerian Sahara, Some Features of the Physiography and Vegetation of the —: ¶Sketch Map of the Algerian Sahara showing Dr. W. A. Cannon's Route in 1910-11, 482

East Africa, The Dinosaurs of -: ¶Sketch Map showing the Location of Dinosaur Finds in German East Africa, 194

ASIA

India, Sketch Map of the East Coast of -, facing p. 92

EUROPE

- Balkan Peninsula: ¶Map Showing the Strategic Position of the — with Reference to the Through Routes from Europe to Asia and Africa, facing p. 582; Map to Illustrate "New Boundaries of Balkan States": Provisional Map of New Boundaries of —, together with Chief Transportation Lines, (Based mainly on maps by K. Peucker) facing p. 830
- Europe, Map of Density of Population of — Based on the Map by L. Weise, 668
- Germany: ¶Maps illustrating "New Navigable Route Connecting Berlin and Stettin": Map of N. Germany Showing the Main Navigable Waterways, 928; Region between the Elbe and the Oder, Showing the Main Canals, 928

POLAR REGIONS

- Antarctic, The German Expedition: ¶ Map of the Antarctic Showing Routes of the Amundsen, Scott, Mawson and Filchner Expeditions, 494
- Southampton Island, with Additions and Corrections by Captain G. Comer to his previous Map, 516
- Victoria Island, Map of and Adjacent Regions Showing Native Place Names (in part) and Suggested Routes of Access to Its Unexplored Portions, (Based on Information Furnished by V. Stefansson), facing p. 106

WORLD AND PARTS OF IT

- Pacific Ocean, Troughs of the Western —. Based mainly on Groll's
- Bathymetrical Chart of the Pacific Ocean, 511

INDEX TO ILLUSTRATIONS AND DIAGRAMS

NORTH AMERICA

- Alaskan Glaciers in relation to life:

 ¶ Alaskan Northern R. R. upon the
 Outwash Plain of Spencer Glacier,
 809; Cabins in City of Valdez Overthrown by Shifting of Glacial
 Stream in 1905, 818; One of the
 Long Piers at Valdez made necessary by Deposits of Glacial Streams,
 817; City of Seward on Delta of
 Glacial Stream in Resurrection Bay,
 816; Heavy snowfall on the Coast
 Ranges of Alaska, 803; End of the
 Nunatak Glacier Highway Showing
 Sleds, Snowshoes, Boats, etc., 806;
 Ferryboat on Lake Near Miles
 Glacier, in 1909, 808; Prospectors
 on the Summit of Valdez-Klutena
 through Glacier in 1898, 805
- through Glacier in 1898, 805
 California, The Dwarf Forests of
 Southern —: ¶Forest Zones of the
 Pacific Slope, 14; Northern End of
 Santa Ana Mountains, showing
 Good Cover of Old Chapparral Un-
- damaged by Fire, 15

 Mexico, Shifting of climatic zones as illustrated in —: ¶Cross Section of Alluvial Terraces, in a Typical Valley among the volcanic hills near the City of Mexico, 12; Curve of

- Growth of the Yellow Pine in New Mexico, Deduced from measurements made by the U. S. Forest Service, 7; Uncorrected curve of growth of the Sequoia Gigantea in California based on 785 measurements, 5
- Michigan, Geographical Influences in settlement of — and in the distribution of its Population: ¶ Diagrams: Growth of urban and rural population, 340; Relation of farm machinery to agricultural laborers, 341
- New York City, On some climatic changes recorded in: ¶Consecutive Temperature Curves for 1900-10, of several stations in eastern United States compared with that of Arequipa, Peru, 130; Diagram of consecutive totals expressing the variations in temperature, etc., 119; Diagram, Fig. 2, 124
- North America, Anthropography of —:

 ¶ Diagrams: Grades of Population
 Density, used by various authors,
 diagrams, 167; Complete Townships,
 Ann Arbor Folio, 171; Density of
 population, in 1904, of Ypsilanti
 township, 169

Wisconsin, Geographical Influences in Development of —: ¶ Diagrams: Increase in population of Towns in lumber region, 607; Lumber Cut in — from 1873 to 1907 in Billion Feet, 741; Lumber Cut in the valleys

of Black and Chippewa Rivers, 740; Comparative Prices of Lumber per Thousand Feet in Buffalo, 743; Production of Lumber by States, 742; Value (in million dollars) of Farm Products in 1909, 843

CENTRAL AMEMRICA AND WEST INDIES

Panama Canal: Its Construction and Its Effect on Commerce: ¶Ancon Quarry, Showing Levels, facing p. 248; Culebra Cut looking North from South of Gold Hill, facing p. 245; Culebra Cut, showing a Section of the large slide, February, 1913, facing p. 247; Churn or Well Drills working in Culebra Cut opposite Contractors Hill, facing p. 246; View of Culebra Cut from top of Contractors Hill looking toward Colon, facing p. 244; Gatun, East

Chamber Upper Lock, facing p. 252; Gatun spillway, Discharge at —, facing p. 251; Homes of the employees, facing p. 253; Miraflores, Showing center and west walls, lower locks, opposite p. 249; View of Miraflores, showing a monitor at Work, opposite p. 248; Pedro Miguel, Erecting upper lock gates, west chamber, facing p. 250; View showing all the chamber cranes in Pedro Miguel locks, facing p. 249

SOUTH AMERICA

South America, Notes on Commercial Geography of —: ¶Diagram Showing Increases in Combined Totals of Trade of Four Leading Republics, Argentina, Brazil, Chile and Uruguay, from 1860 to 1890, 885 Titicaca, A Geographical Sketch of —, the Leigh of the Sun. ¶Ayrone

Titicaca, A Geographical Sketch of —, the Island of the Sun: ¶Aymara Indian, facing p. 573; Field of totora, four miles from Shore, facing p. 564; General view of the Bolivian Shore, facing p. 564; Incaic "Temple" Wall at Yumani, facing p. 572; Incaic Wall Forming the Front of an andene, facing p. 572; Village of Kea, looking southwest, facing p. 565

AFRICA

Algerian Sahara, Some Features of the physiography and vegetation of the —: ¶Diagram Showing Number and Position of Plants in an Area 50 Feet Square in the hamada near Ghardaia, 485; View, showing detail, in the square on the hamada, near Ghardaia, opposite p. 486; Gantara, Detail of the surface on the northern edge of, facing p. 487; Ghardaia; A corner of an Arab cemetery at —, opposite p. 485; Corner of a garden at — where Barley is Raised, opposite p. 484;

Irrigating Ditch at —, opposite p. 484; View in the Region of Chebka near —, opposite p. 485; Jujube in a daya south of Laghouat, facing p. 485; View in daya south of Laghouat, facing p. 485; Mamelons approaching Chott Mellala near Ouargla, opposite p. 486; Reg desert 140 kilometers north of Ouargla, facing p. 484; Looking toward the reg desert, facing p. 486; New Garden on the reg desert 32 kil. North of Ouargla, facing p. 484

ASIA

India, East Coast of —: ¶Block diagram of generalized section of the East Coast of India, p. 83; Block Diagram of the Plain of Marine Denudation, and its associates, 87; Diagram of Riverside Portion of Thin, low-lying Stretch of Mature Coastal Plain, 91; Coast Line near

Belasore, Nearly one and a half Miles from —, showing the very gently sloping expanse of Sea Floor, p. 91; Cuesta Nose of mature coastal plain west of Nellore, opposite p. 89; Bed of Deltaless River, in the young coastal plain during the Dry Season, facing p. 91; At Kodaikanal, west of Madura, facing p. 88; On Elevated Peneplain southwest of Madura, facing p. 86; Northwest of Rajamındry in elevated Peneplain, facing p. 86; Junction of the elevated Peneplain, and the infertile Plain of Marine Denudation, facing p. 88; A less resistant portion of the elevated Peneplain, Bordering the Godavari R., facing p. 87; Outliers whose sum

mits record Former Extension of Elevated Peneplain near Bezwada, opposite p. 88; An Outlier, and beyond, the ancient sea wall, opposite p. 88; Bare Outlier on Plain of Marine Denudation, opposite p. 89; From Summit of Outlier in Fig. 9 looking east across a low lying section of mature coastal plain, facing p. 90

EUROPE

Balkan Peninsula: ¶Bosporus Looking Northwards, 577
Kaiser Wilhelm Canal: ¶Cross Section through the —, 851

Sweden, Fault-Line Scarps in Central

—: ¶ Diagram Showing Development of Fault-line scarps and Valleys in Central Sweden, 518

GENERAL

Intelligible Physiographical Presentation: Block Diagram, 360 Sand Dunes, On a Genetic System of — including two new Types: ¶Cliff

Sand Dunes, On a Genetic System of
— including two new Types: ¶Cliff
Margin Dunes on the Northwestern
Part of the Diluvial High Shore

of the Island of Hiddensoe, near Rügen, facing p. 514; High Shore Dunes, on the Northern Part of Diluvial high shore of the island of Hiddensoe, near Rügen, facing p. 515

ERRATA

- p. 56, line 1 of first title under Africa, for "Deudûr" read "Dendûr"
- p. 68, line 15 from top, for "Illinios" read "Illinois"
- p. 70, line 1 of first subdivision under Africa, for "Le" read "Les"
- p. 72, line 3 under Australia, for "Le" read "La"
- p. 78, line 1 under Austria, for "von" read "vom"
- p. 73, line 2 of third entry under France, for "tectioniques" read "tectoniques"
- p. 78, line 2 of second entry under Iceland, add sub-title "I. Die Reise durch Island 1912"
- p. 74, line 1 of second entry under Physical Geography, for "Bauers" read "Bauer"
- p. 75, line 1 of third entry under Mathematical Geography, for "Closterhafen" read "Closterhafen"
- p. 81, line 3 from bottom, for "Gazeteers" read "Gazetteers"
- facing p. 91, line 2 of Fig. 14, for "costal" read "coastal"
- p. 141, line 3 of review of The Guardians of the Columbia, for "sentinals" read "sentinels"
- p. 144, line 1 of third entry under Europe, for "Départment" read "Département"
- p. 152, heading of third subdivision under Australasia and Oceania, for "Kaiser Wilhelm Land" read "Kaiser Wilhelms Land"
- p. 191, line 20 from top, "Fogausa" is correct although wrongly alphabetized
- p. 205, line 4 of second item under Obituary, for "his as his companion" read "him as his companion"
- p. 226, line 1 of fourth and sixth entries from bottom, for "Départment" read "Département"
- p. 228, line 1 of seventh entry under United States, for "MacFarlane" read "Macfarlane"
- p. 229, line 1 of third entry, for "States" read "State"
- p. 229, line 1 of fourth entry under British Guiana, before "A Ten Years' Review" add "The Colony's Foreign Trade:"
- p. 233, line 1, for "Ständigen" read "ständigen"
- p. 244, lines 2 and 3 from bottom, for "there shall be imposed" read "there shall not be imposed
- p. 294, line 1 of second title, for "Problémes" read "Problèmes"
- p. 302, line 1 of title under Polar, for "Antarctic" read "Antarctique"
- p. 303, line 1 of title under Anthropogeography, for "süditaliens" read "Süditaliens"
- p. 307, line 4 from top, for "ursprung" read "Ursprung" and for "Weltgebaudes" read "Weltgebaudes"
- p. 311, line 1 of fifth entry, for "MacFarlane" read "Macfarlane"
- p. 813, line 3 from bottom, for "Consideration" read "Considerations"
- p. 374, second title under Asia, for "Une Colonie Modèle la Birmanie . . ." read "Une Colonie Modèle : La Birmanie . . ."
- p. 377, line 1 of first title, for "Quadalquivir" read "Guadalquivir"
- p. 384, line 1 of entry under South America, for "Argentine" read "Argentinien"
- p. 418, line 1 of article, for "March 16 to 28" read "March 16 to 27"
- between pp. 420 and 421, on title of map, for "Mecator's Projection" read "Mercator's Projection"
- p. 466, line 2 of third entry from bottom, for "Tuscon" read "Tucson"
- p. 475, line 1 of fifth entry, for "Reeves, A. E." read "Reeves, E. A."
- p. 511, legend on map, under "continental shelf", for "(ocean above 200 meter depth)" read "(land between sea level and 200 meter depth)"
- p. 554, line 1 of third entry under The World and Parts of It. for "Defant, A. R. v. Sterneck:" read "Defant, A.: R. v. Sterneck". (The second name is part of the title of the paper)
- p. 556, line 3 of first entry under Alaska, for "Griffin" read "Giffin"
- p. 610, line 27 from bottom, for "1912-13", read "1912"
- p. 611, insert, in list of maps, between 11 and 12:
 - 11a. (a) Northern Part of the Dominion of Canada illustrating the journey of David T. Hanbury, 1901-1902. 1:3,500,000. Accompany "Sport and Travel in the Northland of Canada" by D. T. Hanbury, London (Arnold), 1904.

 Map (a) also accompanies Geogr. Journ., Vol. 23, 1908, No. 2
- p. 638, last line, for "Hessia" read "Hesse
- p. 671, line 4 of article, for "Vol. 45" read "Vol. 44"
- p. 712, line 3 from bottom, for "Henning" read "Hennig"
- p. 716, line 1 of first entry under North America, for "Grand" read "Grands"; line 2, for "le Carte" read "la Carte"

- p. 717, line 1 of first entry under Africa, for "Algerie" read "Algérie"
- p. 717, line 2 of fourth entry under Africa, for "and" read "und"
- p. 764, line 2 of first item under Australasia and Oceania, for "T. W. Edgeworth Davis" read "T. W. Edgeworth David"
- p. 772, line 1 of second title, for "indigéne" read "indigène"
- p. 781, line 4 from bottom for "AND" read "ET"
- p. 787, line 1 of third entry under Africa, after "Südwestafrikas" add "Kolon. Zeitschr."
- p. 787, third entry under Africa should be classified under German Southwest Africa on p. 788
- p. 789, line 1 of entry under Spanish Guinea, for "Annoben" read "Annoben"
- p. 791, first entry under Australasia and Oceania should be classified under Australia, the third entry and the third subdivision (Java) under Asia.
- p. 793, the entry under Spain should have been inserted under Mexico on p. 785
- p. 823, line 1 of footnote 4a, for "Black" read "Black"
- p. 825, line 18 from bottom, for "as of Switzerland" read "as Switzerland"
- p. 880, line 3 from top, for "Greece" read "the Greeks"
- p. 856, lines 13 and 14 from bottom, for "Foreign Member of the Academy of Sciences" read
 "Foreign Associate of the National Academy of Sciences"
- p. 858, line 12 of first review. for "scarcly" read "scarcely"
- p. 872, line 1 of entry under German New Guinea for "Neumecklenburg" read "Neumecklen-
- p, 940, line 3 of right-hand column, for "Einfache" read "einfache" p. 948, line 1 of first entry under China for "Fluvial" read "Fluviale"
- p. 954, line 1 of fourth entry under Teaching and Methodology for "Inst." read "Ist."
- p. 959, line 1 of second paragraph for "Général" read "Générale"